David V. Ecker

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Key Management and Technological Abilities:

- Problem Diagnosis and Reporting
- Interview and Evaluate Personnel
- Supervise Trainers
- Resource Management
- Procedural Review/Management
- Team Integration

- Technology Needs Assessment
- Team Building/Motivation
- Project Management
- Project Lifecycle
- Strategic Planning
- Organization Design

- Team Management
- Technology Enhancements
- Design Thinking
- Technical lifecycle mgmt.
- Management Reporting
- Budget Management

Experience:

Director of iCREATE, Division of Information Technology
Stony Brook University, Stony Brook, New York, December 2016 - present

- Research Technologies & Innovation Department changed names to iCREATE

- Instituted and built a team for iCREATE that had 40 plus part time student staff operating 6 facilities across the campus focused on innovation and entrepreneurship

- Managed a budget of 500K+ for the area.

- Designed six facilities around the innovation eco-system which allowed students to utilize the latest technologies such as design thinking, makerspace, 3D Printing, VR, self-service video studio and laser cutting.

- Oversee that all students educators to who offered hands-on learning skills for innovation.

- Partnered with students to develop a club called 3Diatrics which educates teaches children in the SBU Children's hospital how to experience this technology.

- During the COVID-19 pandemic we produced a face shield that was able to meet our SBU Hospital needs when there was a shortage of PPE.

- Enhanced our outreach efforts to provide opportunities to WISE and CSTEP students.

- Instituted a pitch competitions WolfieTank for Stony Brook students that include a mentors and alumni panel of judges to to give honest feedback to teams on their business ideas.

- Collaborated with Advancement division to raise funds for iCREATE and build a network of donors to support student activities. Managing a budget of half-million dollars annually plus several donation streams.

- Instituted a Make-a-thon competition called InnovateIT which allowed students to have 24 hours to use the design thinking process to build real life models in a short time period.

- Developed collaborations with our VP of Economic Development to bring similar work of makerspaces/incubators/pitch competitions in to a unified communication structure.

- Collaborated with College of Business to cultivate start up business for students some examples are Outland Analytics, Mosquito Be Gone, LIKick, Island Soul, and Dune Fishery.

Director of Research Technologies & Innovation, Division of Information Technology
Stony Brook University, Stony Brook, New York, April 2013 – Dec 2016

- Institute and built a team for Information Technology (IT) to assist and be a technical lead for the Faculty researchers on the campus.

- Provide leadership gaps for Information Technology to assist university researchers use of technology develop, plan and partner with senior IT leadership, colleagues, administration and distributed IT support to implement new services.

- Develop and lead the creation of Stony Brook University (SBU) Innovation Lab where ideas become prototypes, using 3D printer, hand tools, and various other technologies for the SBU community.

  o Brought together a team of cross discipline researchers to begin the implementation of a Innovation Lab for students and researchers to prototype new ideas across disciplines with the goals of creating on campus Start Up companies.
  o Implemented within the first specific language that gives students Intellectual property freedom for any ideas created in the Innovation Lab throughout the SUNY system.
  o Partnered with College of Business, VP of Economic Development, Office of Integration of Research, Education, and Professional Development (IREP), and College of Engineering and Applied Sciences to be stakeholders in this endeavor with Research Technologies within Division of Information Technology
  o Offer unique technologies to campus community (3d printing, Vinyl cutter, hand tools, 3d Scanning, and Wearable electronics)
  o Hired and manage cross discipline team that will run the facility
  o Oversaw student given workshops on technologies, creating innovations practices and helping students bringing ideas to market
  o Partnered with campus organization to educate local children through WISE, girl scouts and other organizations on the benefits of STEM and utilizing these technologies.
  o Converted two facilities on campus to provide additional facilities to support these technologies.

- Supervise and lead the research technologies team by instituting policy, procedures, setting goals and budget for the area.

- Investigate, streamline and pilot new technology solutions that will make the researchers utilize technology in a more efficient manner in their specific research pursuits.

- Developed and lead the first inaugural WolfieTank competition where SBU community can present their ideas to a panel of 4 distinguished judges from entrepreneurial backgrounds.

- Assist researchers with pre-grant functions to ensure the campus technology offerings are available to all researchers.

- Develop a broad "Big Picture" view of the campus research community to ensure any technology implementations from Central IT new presence is focused on the assisting as many campus researchers in a variety of departments.

  o Instituted the 1st research IT connection group where technical research experts across campus meet to collaborate on technological systems in use across campus.
  o Improved IT communication by publishing a newsletter and blog dedicated to technology offerings that affect the Stony Brook University research community.

- Implemented the 1st Information Technology service for researchers to assist with data management tools, data repository, 3D printing and concurrent use of MATLAB.

- Collaborated to implement the 1st campus High Performance Computational Cluster at the campus.

Dual Appointment Adjunct Lecturer Position, Department of Technology & Society
Stony Brook University, Stony Brook, New York, Dec 2013 – 2016

- Designed and taught two 300 level undergraduate classes, **Leadership for Engineers** and **Modern Technology Infrastructure**

- Collaborated with Mechanical Engineering Department to institute the Leadership for Engineers class as a major requirement.

- Developed inter-discipline connections between the mission of Technology & Society, Information Technology and other academic departments to initiate new technology partnerships.

Project Lead for Presidential Initiative, Division of Information Technology
Stony Brook University, Stony Brook, New York, April 2012 – April 2013

- Project Lead for Presidential Initiative for Campus wide Managed Print Services implementation.
    - Saved the campus 1.6 million printed pages by eliminating student cover sheets,
    - Instituted/implemented campus wide programs for toner recycling,
    - Installed Managed Print Services in various campus locations.
    - Instituted a campus e-waste program which includes re-distribution and a buyback program for students.
    - Optimized document workflows by eliminating documents being printed to having them automatically saved in usable electronic formats,
    - Organized/lead technical and non-technical teams in organized workflow to achieve project success
    - Transformed the campus from utilizing standard multi-purpose copy paper to 30% and 100% recycled paper for all campus printing.
    - Implemented E-Waste and Toner recycling bins on campus toward a culture change for more sustainable campus. See Presidential Video that discusses the initiative: https://www.youtube.com/watch?v=lxhwDURAsQQ
    - Collaborated/Partnered with Office of Sustainability, Vice President of Finance, CIO, Procurement and various departments to institute initiatives throughout the campus.

- Technical lead for IT Vendor Management, negotiated contracts, provided technical expertise and implemented

- Implement technological industry best practices for Stony Brook University.

- Provide leadership, technical expertise and project management to cross functional teams by leveraging technical and non-technical community members to provide successfully project completion.

- Collaborate and Develop the IT Strategic Plan for the University.

- Fostered effective working relationships with IT Partners, Senior IT leadership, Hospital, HSC, CEWIT, Information technology staff and administrative/academic colleagues to collaborate and implement major technology initiatives at Stony Brook University.

Interim Director of Client Support, Division of Information Technology
Stony Brook University, Stony Brook, New York, July 2010 – April 2012

- Manage a budget of two million dollars.

- Provide leadership and operational direction to the Desktop Support team, technical training area, DoIT Communications, and Help Desk. Recruit, position, and develop a staff consisting of 15 full-time professionals and approx. 45 student interns to provide technical support for the University faculty, staff and students.

- Successfully merged the Telnet Service Desk and the Client Support Help Desk to perform one Help Desk that can handle IT Service issues and Telecommunications issues.

- Provided leadership and direction for my team in implementation of a new Email project for the University (Microsoft Exchange environment and Google Apps for Education)

- Set Strategic Goals for the department by openly discussing with the teams the areas we could focus our initiatives. Primary focus was on Virtual Desktops, Remote Applications, Single Ticket system, and providing the customer focus for the campus.

- Implemented an Advisory Board for Governance of the department to set directional initiatives. I worked inclusively with the Director of Telecommunications and the Director of System Support.

Manager of Desktop Support, Division of Information Technology
Stony Brook University, Stony Brook, New York, February 1998 – July 2010

- Provide leadership and operational direction to the Desktop Support team within Division of Information Technology. Recruit, position, and develop staff consisting of 11 full-time technical specialists and approximately 25 student interns/assistants to provide technical support for University faculty and staff. Spearheaded transition and growth of client support team managing over 1500 machines in support of over 3000 users.

- Manage and support the Student Service Center within the Division of Information Technology. Recruit, position, and develop staff consisting of 2 full-time technical professionals and 15 student interns that provide technical computer support for personal student laptops. Diagnose and fix connectivity issues, virus removal issues, Windows operating system problems, Microsoft office problems, application errors/configurations and wireless issues. Our objective is to be an advocate for the student personal computing needs so as to enhance their learning and use of technology in the classroom.

- Design plan and oversaw implement of "Best Practice" operating policies for procedures within Client Support. Designed and implemented phone support procedures to enhance customer service. Additional projects include improved data reporting and statistics on various in-house systems through Crystal Reports and management presentations. Collaborated with communications staff to develop and maintained Client Support website to empower users to rectify common issues.

- Research new technologies - Evaluate current environment to assure adequate capabilities and advise future requirements. Analyze current system usage and planned system usage to promote implementation of University strategic plan. Plan resources, monitor trends, develop and communicate standards within University community.

- Oversee advanced troubleshooting and problem resolution. Coordinate rollouts of new software. Set policies for workstation security, reliability, and performance. Provide application support for PeopleSoft, Lotus Notes, and Microsoft products, in addition to software specific to University needs. Developed an automated and coordinated method to distribute software, operating system updates and patches remotely.

- Provide direction and organizational growth to team members. Promote an atmosphere of customer-focused orientation and an environment of cooperation, participation, self-initiative, and continuous improvement. Create and maintain performance programs and work schedules.

Network/System Administrator, Department of Computer Science
Stony Brook University, Stony Brook, New York, June 1996 – February 1998

- Designed, implemented, and maintained a Transaction Processing Lab, implementing an NT Domain, Web Server and Database server. Installed, set up and configured lab of 14 PCs and trained academic staff and students on how a Visual Basic program would interact between the clients and the Web Server.

- Supported, maintained, and upgraded NT servers and set up a Citrix server for the Faculty and Staff in Computer Science to run a NT environment from the SUN workstations throughout the department.

- Administered the Web Site/Web Server used for the Student Classes and Supported a HP UNIX lab for graphics design.

Network Engineer/Programmer, Systems
Donovan Data Systems, New York, New York, June 1995 – June 1996

- Joined the STEREO Team to provide support for Windows 95 machines and design a CD for distribution to corporate clients.

- Wrote/Designed programs in Visual Basic to track marketing and ads for Television Commercials. Clients include NBC, CBS, and Advertising companies to project advertising costs in differing time slots.

- Wrote/Designed Programs in C to launch Visual Basic setup programs.

- Designed/implemented distribution media (floppy disk/CD) and mass produced programs for corporate clients.

- Supported team member computers, test machines, and various peripherals.

EDUCATION:

Graduate Certificate – Innovation Management and Entrepreneurship
Empire State College – January 2022

Master of Science - Technological Systems Management
Stony Brook University – December 2006

Bachelor of Science - Computer Science
Stony Brook University – June 1995

TEACHING

- Spring 2021 - Present – "Origins of Technology" – Developed and teach an ITS/SBU 102-introduction class that engages students through the origins of how technology influences the future.

- Fall 2020 – Present – "Innovation Ecosystem" – Developed and teach a Vertical Innovation Project (VIP) to investigate the Innovation mindset of students and how to enhance students critical thinking through peer hands-on experiential teaching.

- Spring 2014 – Present – "Technology, Society, & Leadership" - Honors College seminar designed to educate the intersection of these topics.

- Spring 2018 - 2019.- "Innovation in Education" – Developed and taught a ITS 102 introduction class for freshman on how they could understand the background of innovation and provide them with hands on skills to use in future class.

- Spring 2015 - 2016 – "Modern Technology Infrastructure" EST 204 - Developed, taught students on the various technology aspects around cloud computing, internet of things, social networking, big data and analytics.

- October 2013 – TedxSBU Presentation – "When life throws you a curve ball" – Invited to participate in TedX at Stony Brook University to offer a talk on my experience teaching second language learners through the Taiwan program. http://www.ted.com/tedx/events/8120 or direct link http://www.youtube.com/watch?v=W8z_-0jDQz0

- Spring 2011- Fall 2016 – "Managing for Engineers" EST 326 – Developed, taught and educated at least 70 students per class. This class is focused on introducing engineering students on the operational management, leadership, team building and decision making process.

- Fall 2007 - 2010 – "Introduction to Technology, Science and Society" – Developed, taught and educated at least 22 students per class. The class is focused on introducing technology, science and their relationship to the United States Society, to students from Taiwan who are entering the graduate program at Stony Brook. This was a hybrid class taught in person in Taiwan and online through Wimba.

RESEARCH:
- December 2021 – Co-PI on SUNY Grant on ADA Face Mask
- Fall 2020 – Collaborator on Presidential Mini-Grant on Assistive Devices for Occupational Therapy
- November 2013 – Collaborator and Information Technology team lead for NASA grant "Remote, In Situ and Synchrotron Studies for Science and Exploration" RIS4E

Articles/News stories:
- March 2020 – SBU Ingenuity - https://news.stonybrook.edu/sb_medicine/stony-brook-ingenuity-takes-on-coronavirus/
- March 2020 - http://longisland.news12.com/story/41936179/stony-brook-university-uses-3d-printer-to-make-face-shields-for-health-care-workers
- March 2020 - https://campustechnology.com/articles/2020/03/26/colleges-pitch-in-to-3d-print-medical-gear.aspx?m=1
- March 2020 – NYSUT - https://www.nysut.org/news/2020/april/ppe-masks
- March 2020 – SUNY - https://blog.suny.edu/2020/03/getting-creative-to-meet-the-need-for-personal-protective-equipment-in-healthcare/
- March 2020 – Newsday - https://www.newsday.com/news/health/coronavirus/printers-libraries-coronavirus-1.43563580
- March 2020 – NPR - https://www.wshu.org/post/hospitals-get-creative-get-medical-supplies-and-equipment#stream/0
- March 2020 – NBC News - https://www.nbcnewyork.com/news/local/college-3d-printing-face-shields-to-fight-coronavirus/2342569/
- March 2020 – WLIW - https://www.wliw.org/programs/metrofocus/new-yorks-helping-hands-silmjj/
- March 2020 – Levittow Tribune - https://levittown-tribune.com/2020/04/29/wantagh-teacher-creates-face-masks-from-her-home/
- March 2020 – Suffolk Times - https://suffolktimes.timesreview.com/2020/03/coronavirus-on-north-fork-live-updates/
- March 30, 2020 – Le Monde "In the United States the private sector the war foot in the face of coronavirus"
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- Spring 2020 – Stony Brook Magazine https://www.stonybrook.edu/magazine/2020-spring/student-and-alumni-entrepreneurs

- October 5, 2015 – Wolfie Tank Article – Stony Brook Statesman
- September 2015 – Wolfie Tank Article Newsday
- June 2015 – LI Maker Festival Article Newsday

ORGANIZATIONS AND ASSOCIATIONS:
- Port Jefferson Lions member – 2019 – present
- Stony Brook University Senate – 2011- present
- Stony Brook University Ex-Official Member Executive Committee of University Senate 2020-21
- Treasurer – Resnet Board of Directors – 2009/2010
- CIT 2012 Planning Team and program committee member.
- ITEC Advisory Board – 2012-2013

- SUNY COA Board 2012 – 2018
- Member of Stony Brook University Middle states review sub-committee
- UUP Delegate 2005 – present
- UUP Chapter secretary 2005-2006

Entrepreneur Activities:
- 2019 - Present – A1 Solutions Inc. – A partner in an internet retail arbitrage company where we are selling various products to customers throughout the globe.

- 2011- 2015 - A1 Solutions Inc. (dba Port Jeff Coffee) – A partner in an Internet based Keurig K-cup coffee reseller specializing in flavored coffee varieties for the retail market. Focused on offering choices that aren't available in local stores.

- 2000 – 2004 - A1 Solutions Inc. – Partner and lead architect in technology consulting focused on assist small business implement networking, servers and IT consulting to develop their internal infrastructure to foster more operational efficiencies.

- 1997-2000 Absolute Technologies Inc. – Partner in technology consulting on Long Island.

- 1997 – 1999 - Lobsters & Lighthouses Inc. – Designed a internet based business selling Maine Live Lobsters and Lighthouse figurines to customers throughout the United States.

- 1996-1997 Reflective Designs Inc. – A partner in a web design company for small businesses.

CONFERENCES & PRESENTATIONS

- September 2020 – Making a different during COVID-19 – Presented at Computers in Libraries and Internet Librarian – Connect 2020
- VenturelWell 2020 – Presentation postponed.
- May 2018 – Stony Brook opened the Greenhouse a new innovation facility – CIT 2018
- September 2017 – iCREATE enhances community involvement. – ISAM 2017
- March 2016 – SBU Innovation Lab: A new approach to Innovation and entrepreneurship. – Presented VentureWell 2016
- Oct 2015 – Ideas in Innovation – Presented CEWIT 2015
- June 2015 – "Innovation at Stony Brook" – Presented at SUNY Tech Conference 2015
- Oct 2014 – "MakerSpaces: Experiential Learning Environments" – Presented at CEWIT 2014
- Sept. 2014 – Co-Lead Research Computing group at Educause 2014
- June 2014 – "3D Printing an effects at a University" – Presented at SUNY Technology Conference 2014
- October 2013 – Building a Smarter University, Big Data, Innovation, & Ingenuity – SUNY
- October 2013 - Sustainable Funding Workshop II – CASC conference
- June 2013 – "Managed Print Discovery and Implementation" – Presented at SUNY Technology Conference 2013
- November 2012 – The SUNY Cloud – ITEC Wizard 2012
- June 2011 – Presentation and Roundtable – "Current Plans and the Future of desktop virtualization" – SUNY Technology Conference 2011
- June 2011 – Roundtable presentation – "Supporting mobile devices" – SUNY Technology Conference 2011
- June 2009 – "Managing in these Uncertain Times" – Presented to technical managers Resnet 2009
- June 2008 – "Building the Connection" – Presentation at Resnet 2008
- June 2008 – "Team Building and Ice Breakers" – Professional Development session Resnet 2008
- June 2007 "How to be an Exceptional Manager" – Presented to a technical managers at Resnet 2007

- June 2007 "Team Building" – Professional Development session at Resnet 2007

- June 2006 "Managing Student Employees" – Birds of a Feather Session at Resnet 2006

- June 2006 "10 Best Ways to Motivate Your Staff and Create a Positive Culture" – Presented to 120 technical support staff on how to engage and motivate their staff.

- June 2006 "Implementing CAT for Resnet Students" – Co-Presented at SUNY Technology Conference.

- June 2005 "Resnet: Drop In-Center: The Solution to Student Support." - Presented to 100 technical support staff who troubleshoot software/hardware problems for students at Resnet 2005.

- July 2004, "Windows Administration Rights: To Give or Not to Give?" – Presented to 45 educators at CIT to give them a better aspect on how it will be affecting their students as educators in SUNY.

- March 2004, "Windows Administration Rights: To Give or Not to Give?" – Presented a lecture to 60 technical support personnel in the NorthEast at NerComp 2004.

REFERENCES: Available upon Request