

# Adam STENSON

## PERSONAL INFORMATION

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WEB	<a href="http://www.adamstenson.com">www.adamstenson.com</a>

## EDUCATION

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### University of Rochester, Rochester, NY

DEC 2022	Master of Business Administration Specialization: Technology Consulting Minor: Leadership
MAY 2019	Master of Science in Electrical Engineering Concentration: Computer Design & Computer Engineering Research Focus: Single Flux Quantum Digital Logic
MAY 2018	Bachelor of Arts in Physics Bachelor of Science in Electrical & Computer Engineering Minor in History

### Fort Hays State University, Hays, KS

MAY 2014	Kansas Academy of Mathematics and Science
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## RESEARCH EXPERIENCE

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### Modeling Josephson Junctions in LTSpice for Use in Superconducting Single Photon Detector Readout Systems

APR 2019	Advisor: Dr. Roman Sobolewski, University of Rochester
MAY 2018	<a href="#">Thesis</a>

### Experimentally Determining the Accuracy of a 3D Printed 80 Sappho Asteroid Model

MAY 2014	Advisor: Dr. Paul Adams, Fort Hays State University
MAY 2013	<a href="#">Paper</a>   <a href="#">Poster</a>

## HONORS AND AWARDS

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### University of Rochester

MAY 2018	Excellence in Undergraduate Teaching, Department of Physics & Astronomy
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### Fort Hays State University

MAY 2014	1 <sup>st</sup> Place: KAMS Division, Scholarly and Creative Activities Day Undergraduate Research Poster Contest
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## TEACHING EXPERIENCE

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### Department of Electrical & Computer Engineering, University of Rochester

MAY 2019	Graduate Teaching Assistant
AUG 2018	- Continued the responsibilities of the undergraduate position - Courses Taught:

	<ul style="list-style-type: none"> <li>- ECE 101, Introduction to Computing Systems: Fall 2018</li> <li>- ECE 112, Digital Logic Design: Spring 2019 (Head TA)</li> <li>- ECE 210, Circuits for Non-Majors: Spring 2019</li> <li>- ECE 230, Electromagnetic Waves: Fall 2018</li> </ul>
MAY 2018	Undergraduate Teaching Assistant
JAN 2018	<ul style="list-style-type: none"> <li>- Lead workshops and/or laboratory sessions on a weekly basis</li> <li>- Grade homework assignments and laboratory reports</li> <li>- Assist the professor with proctoring and grading exams when needed</li> <li>- Course Taught: <ul style="list-style-type: none"> <li>- ECE 112, Digital Logic Design: Spring 2018</li> </ul> </li> </ul>

## Department of Physics & Astronomy, University of Rochester

MAY 2019	Graduate Teaching Intern
AUG 2018	<ul style="list-style-type: none"> <li>- Continued the responsibilities of the undergraduate position with an increased number of students</li> <li>- Courses Taught: <ul style="list-style-type: none"> <li>- PHY 121, Mechanics: Spring 2019</li> <li>- PHY 122, Electricity &amp; Magnetism: Fall 2018</li> </ul> </li> </ul>
MAY 2018	Undergraduate Teaching Intern
JAN 2015	<ul style="list-style-type: none"> <li>- Lead weekly workshop/recitation</li> <li>- Grade weekly homework assignments</li> <li>- Proctor and grade exams 1-2 times per semester</li> <li>- Courses Taught: <ul style="list-style-type: none"> <li>- PHY 121, Mechanics: Spring 2015, 2016, 2017, 2018</li> <li>- PHY 122, Electricity &amp; Magnetism: Fall 2016, 2017</li> <li>- AST 106, The Solar System &amp; It's Origins: Fall 2015</li> </ul> </li> </ul>

## WORK EXPERIENCE

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### ALSTOM Signaling Inc

<i>Current</i>	Software Designer
JUN 2021	<ul style="list-style-type: none"> <li>- Performed code maintenance and upgrades to meet customer needs</li> <li>- Perform verification &amp; validation activities through automated test scripts</li> <li>- Acted as a substitute Scrum Master</li> </ul>
MAR 2022	Hardware Designer
JAN 2022	<ul style="list-style-type: none"> <li>- Maintained and updated PTC assembly engineering plans</li> </ul>
JUN 2021	Engineering Leadership Rotational Program
JUN 2019	<ul style="list-style-type: none"> <li>- Rotational program to provide a system level understanding of Alstom products and interdisciplinary experience beneficial to engineering project management.</li> <li>- Rotations: <ul style="list-style-type: none"> <li>- Software (June 2019 - January 2020)</li> <li>- Hardware (January 2020 - July 2020)</li> <li>- Verification &amp; Validation (July 2020 - December 2020)</li> <li>- Process Improvement (January 2021 - June 2021)</li> </ul> </li> </ul>

### AS&E Information Technology Center, University of Rochester

JUN 2019	Head Student Supervisor
MAY 2017	<ul style="list-style-type: none"> <li>- Interview job applicants and make hiring suggestions to full-time staff</li> <li>- Manage the student lead team and assist the full-time staff managers in the general management of the IT Center</li> <li>- Oversee the internal web development team</li> <li>- Continue to complete the tasks listed under ResNet Consultant 3</li> </ul>

MAY 2018	Web Developer
DEC 2017	<ul style="list-style-type: none"> <li>- Updated and maintained the internal IT website that tracks employees, schedules, loaners, meetings, and appointments</li> <li>- Assisted in the training of new team members</li> </ul>
MAY 2017	ResNet Lead, Technical Training Coordinator
MAY 2016	<ul style="list-style-type: none"> <li>- Interviewed job applicants and make hiring suggestions to full-time staff</li> <li>- Planned and executed technical training events and evaluations for the student staff</li> <li>- Assisted the full-time staff supervisors in the general management of the IT Center</li> <li>- Continued to complete the tasks listed under ResNet Consultant 3</li> </ul>
MAY 2016	ResNet Consultant, Level 3
AUG 2015	<ul style="list-style-type: none"> <li>- Handled more complex troubleshooting tickets</li> <li>- Assisted the student leadership in the training and evaluation of new employees</li> <li>- Continued to complete the tasks listed under ResNet Consultant 1</li> </ul>
AUG 2015	ResNet Consultant, Level 1
AUG 2014	<ul style="list-style-type: none"> <li>- Performed routine software and hardware troubleshooting for faculty, staff, and student computers and phones</li> <li>- Removed malware and spyware from customer devices</li> <li>- Helped students troubleshoot the wired internet connections in their dorm rooms</li> </ul>

### Department of History, University of Rochester

MAY 2018	Office Assistant, Website Management
AUG 2015	<ul style="list-style-type: none"> <li>- Managed the department website</li> <li>- Assisted staff members and faculty with routine office work</li> </ul>

### University Honors Initiatives, Fort Hays State University

MAY 2014	Administrative Assistant to the Director of University Honors Initiatives
AUG 2013	<ul style="list-style-type: none"> <li>- Served as Administrative Assistant for the Fort Hays State Honor Society</li> <li>- Helped lay the ground work for the Honors College created at Fort Hays State University the year after my graduation</li> <li>- Maintained the website for the Distinguished Scholars' Program</li> <li>- Performed office tasks for the Director pertaining to the courses he taught</li> </ul>

### Science & Mathematics Education Institute, Fort Hays State University

MAY 2014	Makerspace Coordinator
MAY 2013	<ul style="list-style-type: none"> <li>- Setup the new makerspace at Fort Hays State University</li> <li>- Maintained the makerspace equipment including three 3D printers</li> <li>- Developed and executed programs for area elementary school students</li> <li>- Assisted students that used the space for research projects</li> </ul>

## COURSEWORK

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### Bachelor of Arts in Physics

*Only relevant courses listed.*

PHY 217	Electricity & Magnetism 1
PHY 218	Electricity & Magnetism 2
PHY 227	Thermodynamics & Statistical Mechanics
PHY 235	Classical Mechanics
PHY 237	Quantum Mechanics of Physical Systems
PHY 243	Advanced Experimental Techniques 1
PHY 256	Computational Physics

### Bachelor of Science in Electrical & Computer Engineering

*Only relevant courses listed.*

ECE 111	Introduction to Signals & Circuits
ECE 112	Logic Design
ECE 113	Circuits & Signals
ECE 200	Computer Organization
ECE 206	Introduction to Parallel Computation using GPUs
ECE 216	Microprocessors & Data Conversion
ECE 221	Electronic Devices & Circuits
ECE 222	Integrated Circuits
ECE 241	Signals
ECE 242	Communications Systems

### **Master of Science in Electrical Engineering**

ECE 401	Advanced Computer Architecture
ECE 406	Multiprocessor Architecture
ECE 461	Introduction to VLSI
ECE 469	High Speed Integrated Circuits: Electronics and Photonics

### **Master of Business Administration**

ACC 401	Corporate Financial Accounting
CIS 401	Information Systems for Management
CIS 415	Business Process Analysis & Design
CIS 417	Introduction to Business Analytics
CIS 418	Advanced Business Modeling and Analysis
CIS 461	Strategy and Business Systems Consulting Practicum
FIN 402	Capital Budget & Corporate Objectives
GBA 401	Structured Problem Solving
GBA 411	Business Modeling
GBA 412	Data Analytics
GBA 436	Predictive & Causal Analytics
GBA 441	Business Ethics and Corporate Social Responsibility
MKT 402	Marketing Management
OMG 402	Operations Management
OMG 415	Process Improvement
OMG 416	Project Management
STR 401	Managerial Economics
STR 421	Competitive Strategy
STR 422	Game Theory for Managers
STR 427	Organizational Behavior
STR 440	Corporate Governance

## **COMPUTER SKILLS**

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Operating Systems:	Windows 7/8/10, macOS, Debian based Linx OS
Programming Languages:	C++, Python, HTML/CSS, JavaScript, Verilog, VHDL
Other:	Microsoft Office, Apple iWork, Mathematica, $\text{\LaTeX}$