

Takao Shibamoto

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Summary	An aspiring software engineer with knowledge in network security and automation
Education	Iowa State University, Ames, Iowa - Bachelor of Science in Computer Engineering; Minor in Cyber Security. - GPA: 3.85 / 4.0 - Honors: Top 2% of engineering class, Tau Beta Pi, Phi Kappa Phi, IEEE Transfer Merit Scholarship, Leonard S. Feldt Scholarship
Professional Experience	PayPal, Inc., San Jose, California <u>Software Engineer Intern (Network Security)</u> - Developed scripts to automate various firewall/panorama operations. - Developed web applications (Python/Angular) for internal IT ticket systems. - Tested, documented and presented the software within the department
Academic Work Experience At ISU	<u>Embedded Systems Class (CPRE 288) Lab Teaching Assistant</u> , ECpE Department - Lead several lab sections which focus on embedded C programming with Arm microcontroller & Roomba <u>Software Research Assistant</u> , Vollbrecht Lab - Developed Primer Server (https://primer-server.gdcb.iastate.edu) PCR design web application with PhD student (Python/Angular). - Developed Google Sheet Addon that helps organizing seed samples which is used by several geneticists across nation. - Presented the work at National Conference on Undergraduate Research <u>Digital Logic Class (CPRE 281) Tutor</u> - Taught concepts such as finite state machine and designs of simple computers to groups of 5 tutees. <u>IT Support</u> , Seed Science Center - Made sure all computers working and configured/maintained the network
Undergrad Research Experience at ISU	Discrete Math Helper, ECpE Department - Surfaced the idea and developed Google Docs add-ons that can help CPRE 310 students with a help of the professor. Genomic Selection Simulator, IMSE Department - Developed genomic plant breeding simulator, presented at ISU Symposium.
Projects / Awards	ACM Programming Contest: Competitive programing at ISU - Second Prize: 2018, First Prize: 2017 ION Autonomous Snowplow Competition, Robotics Club - Worked on obstacle detection using OpenCV/Python in a team of 10. Smart RL Bot: AI for Rocket League (game), MadHacks - Developed a basic AI that learns interactively as the game goes - Received Wolfram Alpha Award from Major League Hacking
Skills	Python, JavaScript, Angular, Node.js, SQL, Java, C/C++, Assembly, Docker, Hadoop, Web Applications, Linux, Network Security, Data Mining, Japanese, Piano CDC: Defence competition with hundreds of participants at ISU - Actively participate as green team/blue team
Activities	Data Science Club (Webmaster chair) - Weekly work on interesting data science problems (Python, Scikit-learn, Keras)