Takao Shibamoto

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Summary	A Software Engineer with a knowledge in Network Security and Automation

Education	**Iowa State University**, Ames, Iowa	Expected Dec '19
	- **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	May '18 - Aug '18
	Software Engineer Intern (Network Security)	
	- 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	*Embedded Systems Class (CPRE 288) Lab Teaching Assistant*, ECpE Department	Aug '18 - Dec '18
	- Lead several lab sections which focus on embedded C programming with Arm microcontroller & Roomba	
	Software Research Assistant, Vollbrecht Lab	May '17 - May '18
	- 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	
	Digital Logic Class (CPRE 281) Tutor	Jan '18 - May '18
	- Taught concepts such as finite state machine and designs of simple computers to groups of 5 tutees.	
	IT Support, Seed Science Center	Dec '17 - May '18
	- Made sure all computers working and configured/maintained the network	

Undergrad Research Experience at ISU	Discrete Math Helper, ECpE Department	Oct '17 - Dec '17
	- 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	Jan '17 - May '17
	- Developed genomic plant breeding simulator, presented at ISU Symposium.	

Projects / Awards	**ACM Programming Contest**: Competitive programing at ISU	Oct '17 - Present
	- Second Prize: 2018, First Prize: 2017	
	ION Autonomous Snowplow Competition, Robotics Club	Sep '17 - Feb' 17
	- Worked on obstacle detection using OpenCV/Python in a team of 10.	
	Smart RL Bot: AI for Rocket League (game), MadHacks	Oct '18
	- 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	Feb' 18 - Present
	- Actively participate as green team/blue team	

Activities	**Data Science Club** (Webmaster chair)	Oct '17 - Present
	- Weekly work on interesting data science problems (Python, Scikit-learn, Keras)	