

Takao Shibamoto

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Objective	Actively looking for a full-time position in the field of Security Software, DevOps, Automation, Data Analytics, and Backend Development starting January 2020.
Education	<p>Iowa State University, Ames, IA Expected Graduation in Dec '19</p> <ul style="list-style-type: none">- Major: Bachelor of Science in Computer Engineering- Minor: Cyber Security- GPA: 3.82 / 4.0- Honors: Top 2% of Engineering Department, Tau Beta Pi, Phi Kappa Phi, IEEE- Coursework:<ul style="list-style-type: none">- Network Security, Pentesting, Cryptography- Big Data Analytics (SQL, MDX, Predictive Analysis, Hadoop, Spark, Streaming)- Digital Logic (worked as a tutor)- Embedded Systems (worked as a lab TA)
Work Experience	<p><u>Software Engineer Intern</u></p> <p>PayPal, Inc., San Jose, CA May '19 - Aug '19 & May '18 - Aug '18</p> <ul style="list-style-type: none">- Developed web applications (Python, React, Angular) to automate internal firewall ticketing.- Decreased the waiting time of customers by 3-5 times.- Eliminated the mistakes on the forms by validating user inputs.- Deployed the applications on production CentOS/Ubuntu VMs, collaborating with other teams.- Suggested and implemented automated deployment/testing using Git, Docker, and Selenium.- Developed Python scripts to automate various firewall operations.- Troubleshooted network issues using security devices such as Palo Alto Networks Firewalls. <p><u>Software Research Assistant</u></p> <p>Vollbrecht Molecular Biology Lab, Iowa State University May '17 - May '18</p> <ul style="list-style-type: none">- Developed Primer Server (primer-server.gdcb.iastate.edu) PCR design web application with a PhD student (Python, Angular).- Developed Google Sheet Addon that helped organize seed samples, which is used by several geneticists across nation.- Presented the work at National Conferences on Undergraduate Research.
Projects and Awards	<p><u>Care Taker</u>, Best Internet-of-Things Hack Prize HackISU Fall 2017</p> <ul style="list-style-type: none">- Developed a proof-of-concept Implementation of an online pill alert system in Python/Angular. <p><u>Smart RL Bot</u>, Wolfram Alpha Prize MadHack Fall 2018</p> <ul style="list-style-type: none">- Developed a self-learning bot for a game called Rocket League in Python/MongoDB. <p><u>Cyber Defence Competitions</u> Feb' 18 - Present</p> <ul style="list-style-type: none">- Led a blue team and competed with 20+ teams. Designed a network on VMware vSphere. <p><u>Genomic Selection Simulator</u> Jan '17 - May '17</p> <ul style="list-style-type: none">- Developed a plant breeding simulator using genome information in Python/PyQT. <p><u>Bootstrap 4 Jekyll Theme</u> Aug' 17 - Present</p> <ul style="list-style-type: none">- Developed a Jekyll (static site generator) theme to power my website on Github Pages. <p><u>ACM Programming Contest</u>, local programming competition at my university Oct '17 - Present</p> <ul style="list-style-type: none">- Won a second prize in 2018 and a first prize in 2017.
Skills	<p>Languages: Python, JavaScript/TypeScript, SQL, Bash, C++, Java, PowerShell.</p> <p>Tools/Frameworks: Linux, Flask, React, Angular, Firewalls, Docker, MySQL, MongoDB.</p>