Takao Shibamoto

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Education

Iowa State University, Ames, IA   Expected Graduation in Dec 2019
- **Major**:   **Bachelor of Science in Computer Engineering**
- **Minor:**   **Cyber Security**
- **GPA**:   **3.82 / 4.0**
- **Coursework:** Algorithms & Data Structures, Operating Systems, Network Security, Cryptography, Big Data Analytics (SQL, MDX, Predictive Analysis, Hadoop, Spark)

Experience

PayPal, San Jose, CA   May 2019 - Aug 2019 & May 2018 - Aug 2018
Software Engineer Intern
- Decreased the overall processing time of firewall rule request tickets by 3-5 times by developing a user-friendly web application.
- Automated routine tasks of the corporate network firewalls by writing Python scripts.
- Secured the web application by integrating SSL/TLS and Single Sign-On.
- Suggested and implemented automated deployment/testing using Git, Docker, and Selenium.
- Deployed the application on production CentOS/Ubuntu VMs, collaborating with other teams.
- Troubleshooted network issues and applied changes on Palo Alto Networks Firewalls.

Iowa State University, Ames, IA   May 2017 - Present
Network Security Teaching Assistant
- Actively manage 900+ VMs on VMware vSphere for 90+ students.
- Automated VM deployment/status checking by writing user-friendly PowerCLI scripts.
- Help students solve lab problems and suggest ideas/fixes for lab instructions.

Software Research Assistant
- Developed Primer Server, an open-source genome analysis web application.
- Developed Tissue Sample Plate Mapper, an open-source Google Sheet Addon that helped organize seed samples in a grid format, which is used by 90+ users around the world.

Projects and Awards

Care Taker   (Won Best Internet-of-Things Hack Prize)   HackISU Fall 2017
- Developed a proof-of-concept implementation of an online pill alert system.

Smart RL Bot   (Won Wolfram Alpha Prize)   MadHack Fall 2018
- Developed a self-learning bot for a game called Rocket League.

Bootstrap 4 Jekyll Theme   Aug 2017 - Present
- Developed a highly customizable site generator theme that works seamlessly on Github Pages.

ICPC North Central NA Regional Contest   Nov 2019
- 4th out of 170 teams. Advancing to the **2020 ICPC North America Championship**.

Technical Skills

Languages: Python, Javascript/Typescript, PowerShell, C++, SQL.

Tools/Frameworks: Linux, Git, Flask, React, Angular 2.0+, MongoDB, Docker.