Takao Shibamoto

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Education

Iowa State University, Ames, IA   Graduated in Dec 2019
- **Major**:   **Bachelor of Science in Computer Engineering**
- **Minor:**   **Cyber Security**
- **GPA**:   **3.84 / 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
- Develop solutions to facilitate interactions between network security engineers and internal employees.
- Decrease the overall processing time of firewall rule request tickets by 3-5 times.
- Write python scripts to automate routine tasks of corporate network firewalls.
- Secure internal web tools by integrating SSL/TLS and Single Sign-On.
- Implement CI/CD flow using Git, Docker, Selenium, and Python scripts.
- Collaborate with multiple other teams to deploy internal web tools on CentOS/Ubuntu VMs.
- Troubleshoot network issues and applied changes on Palo Alto Networks Firewalls.

Iowa State University,   Ames, IA   Aug 2019 - Dec 2019
Teaching Assistant
- Manage 900+ VMs on VMware ESXi for 90+ Network Security students.
- Write configurable PowerCLI scripts to automate VM deployment/status checking.
- Help students solve lab problems and suggest ideas/fixes for lab instructions.

Iowa State University,   Ames, IA   May 2017 - May 2018
Research Assistant
- Develop Primer Server, an open-source genome analysis web application.
- Develop 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
- Develop a proof-of-concept implementation of an online pill alert system.

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

ICPC North Central NA Regional Contest   Nov 2019
- Rank 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, Docker, Node.js, Flask, React, Angular, MySQL, MongoDB, Redis, AWS.