Takao Shibamoto

Ames, Iowa| shibamoto.takao@gmail.com | takasoft.github.io | linkedin.com/in/takao-shibamoto

Objective

Actively looking for a full-time position in the field of Web Development and Network Security.

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.

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.

Education

Iowa State University, Ames, IA   Expected Graduation in Dec 2019
- **Major**:   **Bachelor of Science in Computer Engineering & Minor in Cyber Security**
- **GPA**:   **3.82 / 4.0**

Projects

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.

Cyber Defence Competitions   Feb 2018 - Present
- Led a blue team and competed with 20+ teams. Designed a network on VMware vSphere.

AIRAT   (Senior Design Project with Collins Aerospace)   Jan 2019 - Present
- Designed topic modeling that measures similarity between two requirement docs.
- Suggested bringing DevOps culture and implementing a CI/CD flow using Jenkins and AWS.

Big Data Analytics Lab   Jan 2017 - Present
- A collection of my big data analysis experiments in Hadoop, Spark and Flink.

Technical Skills

- Languages: Python, Javascript/Typescript, Shell, Powershell, C++.
- Tools/Frameworks: Flask, Django, React, Angular, MySQL, MongoDB, Git, Linux, Docker.