

# Takao Shibamoto

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## Objective

Actively looking for a full-time position in the field of Security Software, DevOps, Python Development, and React/Angular/Node.js Web Development starting January 2020.

## Experience

**PayPal**, San Jose, CA May 2019 - Aug 2019 & May 2018 - Aug 2018

### Software Engineer Intern

- Decreased the waiting time of firewall ticket requesters by 3-5 times and eliminated user input mistakes by developing a web application.
- Automated routine tasks of all the firewalls in the corporate network 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 applications on production CentOS/Ubuntu VMs, collaborating with other teams.
- Troubleshooted employees' network issues and applied changes on Palo Alto Networks Firewalls

**Iowa State University**, Ames, IA

May 2017 - Present

### Network Security Teaching Assistant

- Wrote easily customizable and configurable PowerCLI scripts to automate deployment/status checking of 900+ VMs on VMware vSphere for 90+ students.

### Software Research Assistant

- Developed Primer Server, a PCR design web application with a PhD student (Python, Angular).
- Developed Tissue Sample Plate Mapper, a 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 in Python/Angular.

**Smart RL Bot**, Won Wolfram Alpha Prize

MadHack Fall 2018

- Developed a self-learning bot for a game called Rocket League in Python/MongoDB.

### 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 classifies 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

- Language: Python, Javascript/Typescript, C++, Java, Bash, Powershell.
- Tools/Frameworks: Flask, Django, React, Angular, MySQL, MongoDB, Git, Linux.