Takao Shibamoto

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Summary   Innovative optimized solution seeker. Proficient in Full-stack Development, Automation & Analytics and Network Security. Actively looking for a full-time position starting January 2020.

Education   **Iowa State University**, Ames, IA   Expected Dec '19
- **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**:
    - Network Security, Ethical Hacking, Cryptography
    - Design and Analysis of Algorithms
    - Operating Systems
    - 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

Software Engineer Intern
PayPal, Inc., San Jose, CA   May '19 - Aug '19
- Developed web applications (Python, React, Angular) to automate internal firewall ticket process. Decrease the waiting time by 3-5 times. Deployed the applications on Linux VM for production uses, collaborating with other teams.   May '18 - Aug '18
- Suggested and implemented Automated deployment/testing using Git and Docker.
- Developed scripts to automate various firewall/panorama operations.
- Learned how to troubleshoot network issues using network security devices such as Palo Alto Networks Firewall, Splunk, and Logic Monitor.

Software Research Assistant
Vollbrecht Molecular Biology Lab, Iowa State University   May '17 - May '18
- Developed Primer Server (primer-server.gdcb.iastate.edu) PCR design web application with a PhD student (Python, Angular).
- Developed Google Sheet Addon that helps organizing seed samples which is used by several geneticists across nation.
- Presented the work at National Conference on Undergraduate Research

Projects and Awards

Care Taker, Best Internet-of-Things Hack Prize   HackISU
- Proof-of-concept Implementation of an online pill alert system   Fall 2017

Smart RL Bot, Wolfram Alpha Prize   MadHack
- Self-learning bot for a game called Rocket League   Fall 2018

Cyber Defence Competitions - Led a blue team and completed with 20+ teams   Feb' 18 - Present

Genomic Selection Simulator - Plant breeding simulation using genome information   Jan '17 - May '17

Bootstrap 4 Jekyll Theme - Bootstrap 4 theme for Jekyll (static site generator)

ACM Programming Contest, local programming competition at Iowa State University   Oct '17 - Present
- Second Prize: 2018, First Prize: 2017

Skills   Languages: Python, JavaScript, SQL, C/C++, Java.
Tools/Frameworks: Linux, Flask, React, Angular, Firewalls, Docker, MySQL, MongoDB