Christian Lim

Washington D.C Metro Area | 267.432.0150 | christianlim.js@gmail.com

Education

Bachelor of Science in Computer Engineering   Graduated: May 2019
The Pennsylvania State University, College of Engineering   **GPA**: 3.38/4.00
University Park, PA 16802

Experience/Work

Associate Software Engineer – Capital One [August 2019 – Present]
- Developed distributed applications in support of Capital One's mission in securing our entire data lake, processing amounts of up to 1 petabyte of data per day.
- Worked extensively with AWS, using services including S3, EC2, Lambda, and IAM.
- Distributed and scaled with messaging systems such as Kafka, SQS, and SNS.
- Developed in Java Spring, and React. Utilized Terraform and Ansible to deploy infrastructure.

Undergraduate R&D Engineer – The Pennsylvania State University [September 2018 – August 2019]
- Developed cataloging and scheduling applications for naval construction yards using Java Spring and Angular.
- Obtained nonsensitive security clearance.

Special Projects Lead Developer – Penn State Dance Marathon (THON) [April 2018 – March 2019]
- **Led a team of three developers and act as project manager**.
- **Architected** Quizzing system to be **used by 50,000 users**, focusing on minimizing memory usage via caching.
- Initiated the THON eLearning Management System (TeLMS) overhaul with the goal to transition the legacy PHP-based codebase to modern standards in Django, focusing on dynamic customization and restful communication.

Software Engineering Intern – Dick's Sporting Goods [May 2018 – August 2018]
- Tokenized checkout experience to enable translation switching at runtime**,** enabling a single, unified UI for DSG, Field&Stream, and Golf Galaxy.
- Created various web services that handle checkout transactions with Java Spring and Angular.
- Utilized the **Hibernate** ORM to manage database models.
- Designed user-centric single page applications focusing on accessibility and convenience.

THON Weekend Dashboard Developer – Penn State Dance Marathon (THON) [April 2017 – March 2018]
- **Developed automatic infractions system** which relieved burden of monitoring the entry/exit behaviors of thousands of spectators. Enabled transparent enforcement of regulations set by security committees.
- **Developed timeline scheduling application** for volunteers that allowed security teams to determine whether volunteers were allowed into the building according to their assigned shifts.
- Overhauled repository, updating the legacy system to the current version of Django and a LTS version of Python.

Skills/Activities

Projects:
Quizzes – Standalone application used to distribute and manage eLearning material necessary to allow any participants involvement with THON.
Incidents – Dash application used to record infractions and handle possible suspensions to organizations breaching the rules and regulations of THON.
Timeline – Dash application handling shift management. Overarching purpose of this project is to provide an online resource to THON leadership about shifts and floor capacity used by volunteers and to allow re-entry.
Technical Skills: Java Spring, React, AWS, Python, Django, Angular, HTML, CSS, C, C++, Git, SQL.
Non-technical Skills: Agile methodologies, project management, public demonstration, paired programming.