Edwin Yu

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Education

University of Maryland, College Park – *B.S. Computer Science*   *Graduated May 2021* • GPA: 3.83/4.0

- **Honors and Programs:** Honors College, President's Scholarship, Dean's List, Bitcamp, Technica
- **Coursework:** Advanced Algorithms, Advanced Data Structures, Computer Networks, Concurrent & Distributed Systems, Data Science, Computer & Network Security, Human-Computer Interaction, Programming Languages, Computer Systems

Technical Skills

Languages   Java • JavaScript • Python • C

Technologies Git • Linux • React • Redux • Node • Flask • Spring • Lambda • DynamoDB • MongoDB • MySQL • PostgreSQL

Work Experience

Okta – *Software Engineer*   *New York, NY* • Aug 2021 - Present

- Building software to support seamless integration between Okta and on-prem user management systems
- Developed backend functionality of a framework for automatically updating customer installed agents, which are used to serve communication between Okta and on-prem directory services (e.g., AD, LDAP)

Amazon Web Services – *Systems Development Engineering Intern*   *Herndon, VA* • Sept - Nov 2020

- Designed and developed a full-stack application to streamline the process of manually tracking and scheduling updates to 50+ services and tools within the Serverless organization per week to GovCloud regions
- Saved 40+ engineering hours weekly by automating key steps in the deployment process
- Orchestrated beta test and conducted user interviews to collect feedback for improving the application

Okta – *Software Engineering Intern*   *Bellevue, WA* • May - Aug 2020

- Built an internal full-stack tool to allow Okta's security team to mass deactivate organizations engaged in malicious activity
- Reduced time needed to respond to mass abuse incidents from days to minutes
- Wrote extensive unit, functional, API, UI, and Selenium tests to achieve full code coverage and ensure high code quality

Tesla – *Software Engineering Intern*   *Palo Alto, CA* • Jan - May 2020

- Worked on a web application to accelerate the diagnosis of vehicles using alerts, signals, and configuration values
- Decreased application load time by ~30% by optimizing database queries and condensing backend API requests
- Built pipeline to retrain and redeploy machine learning models that identify solutions to diagnostic issues on a weekly basis
- Developed backend system to automatically extract and parse new alert/signal data from monthly firmware releases
- Built email notification system to notify technicians in Gigafactory Shanghai when new diagnostic sessions are created

Capital One – *Software Engineering Intern*   *Richmond, VA* • Jun - Aug 2019

- Built applications to support the re-platforming and modernization of the company's core customer infrastructure
- Developed a resilient and scalable RESTful API for customer D.O.B queries to meet expected traffic of 450+ transactions/sec
- Built full-stack utility to track daily changes within S3 buckets and simplify EC2 instance rehydration through email notifications

Projects

Janet, *https://learnwithjanet.herokuapp.com/*

- Won "Vangard's Best Financial Literacy Hack" award at Vandyhacks VII (https://devpost.com/software/janet)
- Developed an educational platform that provides users with personalized financial literacy courses based on their credit score

iGraduated, *https://devpost.com/software/igraduated*

- Won "Best use of MongoDB" award at TOHacks 2020
- Developed a web application to allow students to graduate from the safety of their own homes