Isabella de Leon

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Education

University of California, Berkeley
B.A. Computer Science, 2021

Relevant courses:

- Machine Structures • Intro to Artificial Intelligence • Algorithms • Data Structures
- Discrete Mathematics & Probability • Intro to Data Science • Calculus I & II • Business Administration: Leadership & Creativity

Skills

Languages: C#, Java, Python, Scheme, SQL, Javascript, C, Go
Frameworks: Spring Boot, Arduino, Universal Windows Platform, SAP HANA

Experience

Microsoft - Redmond, WA
Software Engineering Intern | MAY 2019 - AUGUST 2019
- Added new properties to the load balancer on the Azure Networking - Network Resource Provider team.
- Extended the load balancer backend address pool contract to accommodate varying administrative states for VMs.
- Extended the load balancing rule to support multiple backend address pools.

VMware - Palo Alto, CA
Software Engineering Intern | MAY 2018 - AUGUST 2018
- Built REST APIs for a JDBC-based web application that automates regression testing for the BI team. This app can be integrated with Selenium and UFT.
- Cross-collaborated with the Development, QA, and Business Intelligence teams.
- Saved 20 hours of manual testing per week and $20,000 spent on testing per year.
- Won 1st place in the annual VMware Intern Poster Competition.

Microsoft - Redmond, WA
Software Engineering Intern | JUNE 2017 - AUGUST 2017
- Worked on multimedia UWP application development under Release Studios in Windows Devices Group.
- Implemented a desktop pacing tool that extracts mp3 metadata and creates a visualization of key points in a song. This tool was used by developers for features in Windows Photos and Groove Music.
- Worked with the MVVM design pattern, C#, and Visual Studio.

Coding With Kids - Seattle, WA
Lead Instructor | AUGUST 2016 - AUGUST 2017
- Developed and taught CS curriculum for students aged 7-14. Reinforced programming fundamentals using Scratch and Python in elementary schools and community centers.

Organizations

FASTER - Filipino Americans in Silicon Valley Tech
Involved with organizing FASTERCON 2018, a $10,000 national convention with over 500 attendants for Filipinos in Silicon Valley tech.

PASAE External Vice President, UC Berkeley
Pilipino Association of Scientists, Architects, and Engineers
Provided technical resources and mentorship to club interns and organized company outreach.

Jumpstart - Campus Ambassador
Jumpstart is a platform that uses machine learning and data to connect recruiters with engineering students.

CS Scholar, UC Berkeley
Member of UC Berkeley's 9th cohort, fostering diversity and retention in computer science.

AWE, UC Berkeley
Association of Women in EECS
Involved with the mentorship program and tech talks.

Projects

XSight — *Empowering visually impaired people to achieve more*
Microsoft OneWeek 2017 Hackathon Project
A UWP desktop app that teaches visually impaired people formatting conventions for cover letters and resumes in Microsoft Word.

Hunt The Wumpus — *Reimagining the early PC game*
Microsoft Game Development Competition
A Visual Studio-based 2D puzzle game. In a team of 5, I built the game's multi-room maze generator and integrated it with the graphics and game logic components.

Real-Time Event Map — *Seize the day!*
A flask application that shows a display of events in a given area using the Eventbrite and Mapfit APIs.

Awards

1st Place VMware Intern Poster, Palo Alto
Won the 2018 VMware intern project poster competition, out of 145 entries. Winner was chosen based on employee votes. Received admission to the VMworld conference.

Top 15 (out of 500+ entries)
National Built By Girls Challenge 2016. Entered with an Arduino-based device that uses sensors, speakers, and conditional logic to teach users how to sort their trash.

TEALS Programming Competitions
3rd Place (PLU) and Top 10 (Microsoft). Participated in competitive programming in a three-person team at PLU, Microsoft, and MIHS.

NCWIT AiC Certificate of Distinction
National Center for Women & Information Technology, Aspirations in Computing 2017.

Girls Who Code Graduation Keynote Speaker
Selected to speak about diversity in tech to an auditorium of students, families, and program faculty.