

# Alyanna McGrath

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## EDUCATION

### Occidental College

Bachelor of Arts in Computer Science, G.P.A: 4.0

Awards: Dean's List (2021, 2022, 2023), Presidential Scholarship, COSMO/National Science Foundation Scholar (2022)

Relevant Coursework: Mathematical Foundations of Computer Science, Data Structures, Computer Organization, Advanced Programming, Fundamentals of Computer Science, Computing in Real Life (IRL)

Los Angeles, CA

Expected May 2025

## TECHNICAL SKILLS

**Programming Languages:** Excellent – Java ; Proficient - Python, HTML, CSS, R, JavaScript ; Familiar – C, MIPS, React, C#

**Software Tools:** Git, Android Studio, VS Code, XCode, Aha!, Figma, AzureDevops, GitHub, RStudio, Slack

## INTERNSHIP EXPERIENCE

### Microsoft

Software Engineer Intern

Redmond, Washington

May 2023 – Present

- Developed and maintained customer workload certification software within Azure's Cloud & AI organization, leading to a 20% increase in validation efficiency. This high-impact tool is now utilized by multiple major partners for continuous end-to-end process validation.
- Managed UX for a web portal used for workload management metrics, directly resulting in a 30% improvement in user satisfaction. Effectively coordinated A/B testing executions, contributing to a 15% improvement in workload processing speed.

### Trimble Viewpoint

Product Management Intern

Portland, Oregon

May 2022 – Aug 2022

- Assisted the Senior Product Manager in the systems development life cycle (SDLC) of Viewpoint Construction Software which has captured 100,000+ users since launch
- Implemented dynamic tests alongside QA engineers, ran risk assessments, and identified and fixed bugs before product launch.
- Create a survey logic flow that aided PM's, software developers and UI/UX specialists in the development of new features and user stories to optimize workflow and enhance customer experience
- Launched virtual Q&A workshops to discuss issues and challenges customers may face when using the products

## TECHNICAL PROJECTS

### American Sign Language (ASL) Flashcard App (Java, Dart, HTML, SQLite)

- Created a [Flutter app](#) developed in Android Studio and other dependencies. Utilized various programming languages such as Dart and Java, and integrated XCode for iOS platform compatibility

### European History Web Application (HTML, CSS, JavaScript, Node.js)

- Developed a responsive and [interactive web application](#) focused on European history, utilizing technologies such as HTML, CSS, JavaScript, and Node.js; designed the user interface to enhance user experience across multiple devices

## PROFESSIONAL DEVELOPMENT

### Management Leadership for Tomorrow (MLT)

Career Preparation Fellow - SWE Track

Washington, DC

Dec 2022 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent; attending conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target

### Capital One

Software Engineering Summiteer

Remote

Aug 2022 – Aug 2022

- Chosen after several rounds of technical assessments as one of the 61 students to attend a weeklong summit led by Capital One
- Engaged in intensive SWE workshops led by Capital One Engineers about Mobile App Development (Android & iOS), Augmented Reality, APIs, Hardware, AWS, iOS, Android, Bots, and Web Development in React
- Participated in a 24-hour hackathon where I acted as the project lead directing 5 other hackathon team
- Created a new website application using HTML, CSS, JavaScript, and API integration with the mission statement to teach financial literacy to young children through a currency game; pitched this technical solution to high-level Capital One executives

## LEADERSHIP

### Captain - Occidental College Women's Basketball Team

Sep 2022 – Present

- Led and motivated team as captain, demonstrating strong leadership, communication, strategic thinking, and accountability skills

### President – Oxy Open Source (Computer Science Club)

May 2022 – Present

- Developed successful community initiatives, utilizing strong organizational and communication skills to plan 7 execute various projects

### Organizing Committee (OCOM) - Black Student Alliance (BSA)

Aug 2021 – Present

- Collaborated with other committee to plan and execute events, utilizing strong teamwork, communication, and organizational skills

## ORGANIZATIONS

Member of **Blacks in Technology (BiT) National Society of Black Engineers (NSBE)** and **Society of Women Engineering (SWE)**

Scholar at **Reboot Representation**, and **Rewriting the Code (RTC)**