

# Irvin Favors Jr.

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## EDUCATION

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### University of Delaware

Newark, DE

*Bachelor of Science in Computer Science*

May 2025

- **Current & Relevant Coursework:** Advanced Web Technologies, CS Senior Design I, Statistical Methods
- **Minor:** Political Science | **Cumulative GPA:** 3.36 | **Awards:** Dean's List (Fall 2021, Spring 2022)

**Organizations:** Delaware Innovation Fellows | **Programs:** CS Study Abroad - Italy Winter 2025

## WORK EXPERIENCE

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### Google

Seattle, WA

*Software Engineering Intern - Cloud Identity-Aware Proxy Team*

May 2024 - August 2024

- Developed a robust session store system in C++ to enhance application performance and security
- Implemented secure storage of authentication information within sessions
- Created a secure cookie system leveraging session-based information for enhanced security
- Built and optimized a platform for efficient session management at IAP
- Collaborated with cross-functional teams to facilitate the introduction of IAP based sessions
- Launched experiments to evaluate session storage migration

### Google

Mountain View, CA

*STEP Intern - AViD Display Ads Infrastructure Team*

June 2023 - September 2023

- Introduced the new offline pipeline to compute metrics from execution logs to improve the monitoring experience for the new distributed execution framework
- Collaborated with cross-functional teams to launch evaluation experiments through A/B testing
- Created multiple prototypes to help evaluate the feasibility and performance overhead of the offline monitoring idea
- Developed the batch processing microservice/pipeline in C++ to help facilitate offline monitoring
- Ran multiple rounds of evaluation to minimize the production regression caused by the new framework
- Gained both latency saving from the critical path and CPU usage saving from production jobs by moving the computation of metrics from real-time to offline, with an estimated reduction from 1% to 0.1% for both.

University of Delaware - Department of Computer & Information Sciences

Newark, DE

*Lead Teaching Assistant - Introduction to Systems Programming*

August 2024 – Present

- Responsible for co-teaching a programming course which serves as an introduction to Computer Science, C, Bash, and Python programming, as well as version control and Linux machines.
- Responsible for managing the course staff of teaching assistants
- Manage assigned lab sections, hold office hours, and proctor exam

University of Delaware - Department of Computer & Information Sciences

Newark, DE

*Undergraduate Teaching Assistant - Introduction to Systems Programming*

August 2022 – August 2024

- Managed assigned lab sections, held office hours, proctored exams, and assisted with student projects and assignments
- Conducted the grading of homework, assignments, and exams of students

## Projects

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**Webstore:** React, Firebase, TypeScript, HTML, Tailwind CSS/CSS

### Agile Software Development Project

February 2023 - May 2023

- The goal of this project was to teach the agile development methodology through the creation of a webstore in sprints, using product and sprint backlogs to manage tasks. The webstore was programmed using the React Library and TypeScript, while using JavaScript configuration, Tailwind CSS/CSS for styling, Firebase for user authentication and a Firestore database for data management. **Link:** <https://irvinfavors.github.io/webstore/>

## SKILLS

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**Languages:** English (Native), Spanish (Familiar)

**Programming Languages:** Proficient in C/C++, Java, Python, JavaScript, TypeScript, HTML, CSS

Experienced with Bash, ArmV8 Assembly

**Software & Technology:** Unix, Git, React, Bootstrap, Command Line Tools, VIM, Microsoft 365 & G-Suite Applications, Adobe Premiere Pro, Final Cut Pro