

Daniel DeFlores

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Education

University of Delaware – Bachelor of Science in Computer Science

Class of May 2025

- GPA: 3.7/4.0

Experience

Full-stack Software Engineer, Capital Technology Group

May 2025 – Present

- Integrated a secure **OAuth 2.0 PKCE authentication flow**, improving application security and ensuring compliance with **RFC 7636** identity standards by using **AppAuth-JS**, **Spring Security**, and an **OIDC provider**
- Implemented and maintained **RESTful APIs** in **Spring Boot**, enabling seamless data exchange between frontend and backend systems by making request/response models consistent across the codebase
- Wrote and maintained **unit tests** with **over 85% line coverage** across frontend and backend services, streamlining the **software development lifecycle** by catching regressions early in **CI/CD pipelines**
- Built reusable **React** and **React Native** components, decreasing time spent on screen development through a shared design system and standardized component patterns

Full-stack Software Engineer Intern, Capital Technology Group

June 2024 – August 2024

- Integrated Elasticsearch, PostgreSQL, and **AWS S3** to store and retrieve **over 800,000** PDF documents
- Containerized Python scripts with **Docker** and deployed them via **Kubernetes** to continuously fetch new PDFs
- Architected a scalable web application for analyzing government contract protest decisions alongside a team of 5 engineers using **React**, TypeScript, Java Spring Boot, and Python
- Developed RESTful APIs and designed an intuitive UI for data visualization, including win/loss analysis and graphs

Manager, Perks Cafe

June 2024 – August 2024

- Instructed and mentored **over 20** employees in daily tasks and interpersonal skill development
- Managed over **\$7,000** in daily revenue and distributed daily income exceeding **\$1,000** to all employees
- Maintained stock levels and minimized shortages by tracking **inventory** and coordinating with **suppliers**
- Resolved conflicts and addressed staff concerns to create a positive and collaborative work environment

Projects

Chirp

github.com/eorev/Chirp

- Secured **2nd place** out of **over 150 participants** in the best beginner category at the 2023 HenHacks Hackathon, hosted by the University of Delaware
- Built a full-stack web application using React to teach sorting algorithms to computer science students
- Published a functional product judged on implementation, design, and concept quality in **under 24 hours**

FoodFinder

github.com/ddeflores/Food-Finder

- Engineered a scalable, full-stack mobile application for tracking food logs and fitness goals using Expo, React Native, and Firebase
- Created a binary classifier model with **Python**, **TensorFlow**, and **Keras** to categorize images as food or non-food, achieving over **90% accuracy** on validation data by fine-tuning parameters
- Implemented the OpenAI computer vision API to further classify food images and estimate calorie counts

Skills

Languages: TypeScript, Java, JavaScript, Python, SQL, HTML, CSS

Technologies: Git, React, React Native, Spring Boot, Docker