

Federico Hurtado

703-639-7810 | fhurtado14@vt.edu | <https://www.linkedin.com/in/federico-hurtado-885495228/>

College Location: Blacksburg, Virginia | Permanent Address Location: Fairfax, Virginia

EDUCATION AND CERTIFICATIONS

B.S. Computer Science, Virginia Tech, expected December 2024

OCI Cloud Infrastructure Foundation (2024)

SKILLS

Java | Python | Javascript | Typescript | HTML | CSS | C | React | Spring Boot | Node.js | Flask | Machine Learning | Pandas | NumPy | Git | Docker | AWS | OCI | MySQL | MongoDB | Unit testing | RESTful API Development | Responsive Front-End Development |

TECHNICAL PROJECTS

VT Corps of Cadets Directory, Virginia Tech, Fall 2024

Skills: Node.js, Express, React.js, MySQL, Docker

- Developed a full-stack web application for Virginia Tech Corps of Cadets alumni to connect and network.
- Led the design and implementation of the back end, including database architecture and API development.
- Collaborated with a team of 3 members and stakeholders from the Corps of Cadets to ensure alignment with user needs.
- Maintained a Project Overview Statement (POS) report to track project status and anticipated costs.

Bowl Labs Database, Virginia Tech, Fall 2024

Skills: Springboot, Java, React.js, PostgreSQL, Docker

- Built a full-stack web application to help restaurants manage orders, reservations, and menu updates, and allow customers to make orders, reservations, and collect reward points.
- Implemented authentication and authorization features for users and employees.

Oracle Intern Project, Oracle, Summer 2024

Skills: Data Analysis, Full Stack Development, OCI services

- Conducted in depth user behavioral analysis to detect and mitigate suspicious activity for SaaS customers.
- Integrated and analyzed multiple log streams to map comprehensive user session behavior.

Amazon Intern Project, Amazon, Summer 2023

Skills: CDK, SDK, API Gateway, Lambda, S3, CloudFormation, CloudWatch, CloudFront

- Designed and implemented a full stack internal tool hosted on AWS to track and analyze the accuracy of parameters sent by ad servers to user video streams, ensuring alignment with expected values.
- Developed and automated deployment scripts using AWS CDK, streamlining the provisioning of AWS infrastructure components across user accounts.

Personal Portfolio: <https://main--federicohurtado.netlify.app/>

EXPERIENCE

Software Engineer Intern, Oracle

Santa Clara, CA | May 2024–August 2024

- Engaged in a 12-week internship as part of the SaaS Security Engineering team, which develops full-stack applications to monitor and enhance security for all Oracle SaaS products.
- Integrated UBA and existing security logging solutions to identify and flag suspicious user activity for SaaS customers.
- Trained and became certified on cloud computing architecture.

Software Development Engineer Intern, Amazon

Crystal City, VA | May 2023–August 2023

- Completed a 10-week internship on Amazon's Ad Enabled Content Systems team, focusing on developing skills in AWS services and software development.
- Built and deployed a project to report error rates in parameters sent to user devices by both internal and third-party ad servers.
- Delivered a technical presentation on the project to multiple teams across various locations in the U.S.

Undergraduate Teaching Assistant, Virginia Tech Blacksburg, VA

January 2024–May 2024

- Undergraduate teaching assistant for Introduction to Artificial Intelligence in the Spring 2024 semester at Virginia Tech.