Deris O'Malley

Burlington, VT • (413)-412-9839 • DerisOmalley2017@gmail.com • GitHub • LinkedIn • Portfolio • 3D Portfolio

TECHNICAL SKILLS

- TypeScript
- Javascript
- React
- Tailwind CSS
- Next.js
- HTML
- SQL
- PostgreSQL
- Python
- MySQL Workbench
- Java
- Android Studio
- WebGL/Three.js
- Git
- Vite

EDUCATION

Champlain College — *Burlington, VT*
Bachelor of Science in Computer Science and Innovation — *Expected Graduation: 2027*
Minor in Mathematics

- GPA 3.95 (2024 Spring President's List (4.0 GPA), 2024 Fall Trustee's List (Consecutive 4.0 GPA semesters))
- Activities / Societies: Ultimate Frisbee Club Leader, Intramural Basketball, Computer Science Club Co-Leader

WORK EXPERIENCE

The Leahy Center for Digital Forensics & Cybersecurity
IoT Database Programmer • *May 2025 – Now, Burlington, VT*

- Maintaining a database of Internet of Things (IoT) Devices.
- Utilizing web development technologies/languages such as React, TypeScript, and Next.js
- Creating responsive and visually appealing UIs with Tailwind CSS.

IT Administration Intern • *Feb 2025 –May 2025, Burlington, VT*

- Participated in ITS-192 class meetings and worked on-site at the Leahy Center on the IT Administration team.
- Engaged in hands-on work in a professional setting, learning computer system management/installation and networking.
- Shadowed Isaiah River (Dev Ops) and Kiyan Pourmaleki (IoT database), gaining knowledge of the troubleshooting process and the workflow at The Leahy Center.

RELEVANT COURSEWORK

CSI-400: Human-Computer Interaction
Champlain College • Fall 2024

- Explored human-computer interaction theory mixed with hands-on experience implementing a UI-centric research project.
- Learned the history of human-computer interaction, its key paradigms, and the research methods used to investigate new interfaces.
- Participated in seminar-style discussion classes and presentations coupled with practical experience implementing and running a scientific experiment.

CSI-281: Data Structures and Algorithms
Champlain College • Fall 2024

- Compared and contrasted the strengths of a variety of common data structures.
- Compared algorithms for tasks such as searching and sorting, while articulating efficiency in terms of time and space complexity.
- Implemented data structures and algorithms to support solution designs.

CSI-180: Innovation I: Technology Sandbox
Champlain College • Spring 2024

- Created Phonici • Language translation and culture learning mobile application.
- Utilized Android Studio, Google Firebase, and Java.
- Integrated Google Firebase's AI toolkit and machine learning models to effectively and accurately translate between 51 different languages.

CSI-300: Database Management Systems
Champlain College • Spring 2025

- Learning database design, SQL, normalization, relational database theory, and NoSQL paradigm databases.
- Hands-on experience writing database applications.
- Created a learning management system using SQLite, React, Node.js, CSS, JavaScript, and Webpack.