

Conrad Byrne

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Address:
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Objective

Enthusiastic computer science student with strong foundation in programming and a special interest in working on interdisciplinary, innovative software solutions. Seeking a challenging and fulfilling Software Engineer Intern role prior to entering a Masters program to apply my technical skills and learn in a collaborative environment.

Education

University of Virginia, Charlottesville, VA

August 2021 - May 2025

- Degree: Bachelor of Arts in Computer Science

- GPA: 3.90
- Minor in Business Innovation

Thomas Jefferson High School for Science and Technology, Alexandria, Virginia

August 2017 - June 2021

- GPA: 4.35

Relevant Coursework

Database Systems, Data Structures and Algorithms, Software Development Essentials, Mobile/Web Application Development, Machine Learning, Data Science and Statistics, Artificial Intelligence, Compilers

Projects

- ARCGIS research project: Worked in a team to research the impacts of crime in city districts on voting patterns in Virginia Beach. Involved extensive use of ARCGIS software and Python.
- Othello AI: Designed from scratch an Othello-playing AI using the minimax algorithm to compete in an Othello AI tournament.
- Compiler: Worked in a team to implement a compiler for the SIP language.

Relevant Experience

ASML, San Jose, California

May 2024 - August 2024

Software Engineering Intern

- Tasked with testing the feasibility of implementing RDMA to transfer image data from SEM to processing server
- Building a loopback RDMA setup on a server using InfiniBand HCAs to test speed and workability with image data stream

University of Virginia, Charlottesville, Virginia

January 2023 -

Teacher's Assistant

- Lead student lab sections, hold office hours for students, grade and review exams and assignments, etc.

University of Virginia, Charlottesville, Virginia

August 2023 -

CS Ambassador

- Lead and present group information sessions on UVA CS curriculum for interested underclassmen
- Hold drop-in advising hours for students with CS-curriculum related questions

Skills

- Python, Java, JavaScript, C, C++, R, MATLAB
- HTML, CSS, SQL, Git, Unix, RDMA
- Proficient in Dutch