


Conrad Byrne

conradbyrne44@gmail.com

(703)-338-8644

 [linkedin.com/in/conradbyrne](https://www.linkedin.com/in/conradbyrne)
 conradbyrne.github.io/portfolio/

Address:
420 S Lee St
Alexandria, Virginia, 22314

Education

University of Virginia, Charlottesville, VA **August 2021 - May 2025**
Bachelor of Arts in Computer Science with a Minor in Entrepreneurship and Business Innovation
GPA: 3.9

Relevant Coursework: Database Systems, Artificial Intelligence, Software Development Essentials, Data Structures and Algorithms, Computer Systems and Organization, Compilers, Computer Game Design

Thomas Jefferson High School for Science and Technology, Alexandria, Virginia **August 2017 - June 2021**
GPA: 4.4

Experience

ASML, San Jose, California **May 2024 - August 2024**
Software Engineer Intern

Internship as part of the HMI Firmware team within ASML. Conducted a feasibility study of implementing RDMA over InfiniBand to improve a data transfer pipeline. Built an RDMA loopback connection on a server using InfiniBand adaptors and used C to run the data transfer. Worked in an Agile team environment and participated in team meetings and code reviews.

University of Virginia, Charlottesville, Virginia **January 2023 -**
Teacher's Assistant

Assisted as a teacher's assistant for the class Computer Systems and Organization 1. Led student lab sections, held office hours in-person and online, and graded and reviewed assignments and exams.

Computer Science Ambassador

Advised students through office hours and information sessions on the UVA computer science curriculum and other related opportunities.

Skills

Programming Languages: Python, Java, C, C++

Web Technologies: HTML, CSS, JavaScript, React.js

Databases and Data Science: SQL, R, MATLAB

Tools: Git, UNIX, InfiniBand, RDMA, ArcGIS

Languages: Dutch

Projects

Personal Portfolio Site

Created a personal portfolio website displaying my projects and skills. Primarily used React, as well as some HTML and CSS.

Compiler

Worked in a team on a semester-long project to expand a compiler for a simple programming language to a language with more features. Modified the compiler's grammar, intermediate representation, code generation, and optimization. Primarily worked with C and C++.

CourseReview

A GUI application where users can create accounts and make reviews for classes, with information stored in a database. Made with Java and managed the database with SQL.

Wordle

A command-line version of the NYT "Wordle" game. Made with Java.