

Ryan Schmid

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SUMMARY

Computer science master's graduate with a strong academic background, including computer engineering and finance bachelor's degrees all completed in a condensed timeline with additional summer coursework and an Ernst & Young internship. Strong in communication, problem-solving, and teamwork, with exceptional adaptability, attention to detail, and a proven ability to quickly learn and implement new technologies.

EDUCATION

Lehigh University, Bethlehem, PA

Master of Science in Computer Science

June 2022-May 2023

- *Honors:* President's Scholar Award (one year of free tuition for high undergraduate GPA) *GPA: 4.00*
- *Coursework:* Adv. Algorithms, Parallel Programming, Machine Learning, Data Mining, Adv. Program Techniques

Bachelor of Science in Computer Engineering

August 2018-May 2022

Bachelor of Science in Integrated Business and Engineering (IBE) – Finance

Overall GPA: 3.85

- *Honors:* Highest Honors, Dean's List, Tau Beta Pi Engineering Honor Society, IBE Honors Program
- *Coursework:* Software Engineering, Web Systems, Database Systems, Operating Systems, Internetworking

SKILLS – in order of proficiency

Languages: Python, HTML/CSS, JavaScript, C/C++, Java, SQL, TypeScript, Less, Verilog, MATLAB

Technologies: React, Git, VS Code, Figma, Docker, Jira, Confluence, MongoDB, Semantic UI, NodeJS, Express, Flask

EXPERIENCE

Ernst & Young (EY) – Technology Consulting Intern

June 2021-August 2021

- Worked with a team of consultants and software engineers to build four websites for a Fortune 1000 EY client.
- Implemented the client's homepage with React, TypeScript, and Less using responsive design.
- Added additional frontend functionality and styling while reporting to three scrum meetings per week.

Lehigh University – Academic Tutor

February 2021-May 2021

- Conducted 2 sessions in *Intro to Electrical Engineering* and *Programming and Data Structures* for 3 hours per week while employing skills in communication and enhancing knowledge in the 2 courses.

PROJECTS

Personal Website – ryanwschmid.com

August 2023-March 2024

- Designed a personal resume website with Figma and implemented it from scratch using React, JavaScript, HTML/CSS, and MUI to present accomplishments more pleasingly while growing frontend programming skills.

Parallel Programming Final Project

March 2023-May 2023

- Parallelized three Traveling Salesman Problem algorithms using TBB and vector instructions in C++.
- Achieved greatest speedup (~7) on researcher Dr. Jon Bentley's k-opt approximation algorithm using 8 threads.

Truman Project – Cornell Social Media Lab, Dr. Dominic DiFranzo

July 2022-August 2022

- Wrote a Python program that generates realistic content for the Truman Platform, a site for researchers to conduct social media experiments in a controlled environment, using OpenAI's GPT-Neo, an open-source image API, and other NLP libraries to produce posts with text and images modeled after those on a user-provided Reddit community.

Software Engineering Semester Project

February 2021-May 2021

- Designed and programmed all frontend, backend, and database components of a discussion board-style site using HTML/CSS, JavaScript, Java, and SQL, including a responsive frontend, relational database, and RESTful API.

LEADERSHIP – Lehigh University

President, IEEE – Eta Kappa Nu Engineering Honor Society

March 2021-May 2022

- Optimized internal structure and deliverables, planned activities for 30+ members, and created alumni LinkedIn page.
- Managed funds of over \$700, collected dues, and handled graduation regalia purchases as Treasurer the year prior.

Vice President, IEEE (Electrical & Computer Engineering Society) Student Branch

March 2020-May 2022

- Organized networking events, hosted guest speakers, initiated a monthly study night, and grew membership ~20%.