

William Franzen

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EDUCATION

Case Western Reserve University

Cleveland, OH

Bachelor of Arts in Computer Science

May 2023

Bachelor of Arts in Economics, Minor in Banking & Finance

Relevant Courses: Algorithms, Database Systems, Data Structures, Software Craftsmanship, Software Engineering, Artificial Intelligence, Operating Systems, Data Privacy

PROJECTS

Labyrinth of Algorithms | *JavaScript, CSS, HTML*

- Web application visualizing popular search algorithms able to navigate user-designed mazes
- Implements basic search algorithms including DFS, BFS, and Dijkstra's using JavaScript
- Utilizes popular front-end languages to build an interactive user interface allowing for custom maze design

Bedtime Story | *Swift, SwiftUI, Firebase*

- Cloud-based application allowing parents to read their children bedtime stories asynchronously
- Implemented Firebase authentication in tandem with SwiftUI framework
- Winner of Best Community Class Act Hack award at Michigan State's Spartahack 8 hackathon

PROGRAMMING SKILLS

Languages: JavaScript, Java, Python, SQL, HTML/CSS, C#, Swift

Technologies: React, Next.js, Vercel, AWS, PostgreSQL, Git

Data Analysis: R, Microsoft Excel

Certifications: AWS Cloud Practitioner

EXPERIENCE

TIC Summer Camp

McLean, VA

Programming Counselor

June 2023 – August 2023

- Introduced young students to the fundamentals of computer science and code development
- Taught the development of video games with a variety of tools and languages incl. JavaScript and Python
- Interacted with the other counselors to manage students and develop efficient lesson plans

Mercury Analytics

Washington, DC

Project Team Intern

June 2019 – August 2019

- Live tested and debugged code flow for marketing survey and television pilot softwares
- Assisted in setup of survey software and hardware for live market trial and testing focus groups
- Communicated and assisted across multiple teams simplifying inter-department coordination

LEADERSHIP

Google Developer Student Club

Case Western Reserve University

Treasurer

August 2021 – May 2022

- Requested and managed finances for all club affairs including speakers, reviews, and student projects
- Developed and executed meaningful club events and meetings with other executive members
- Worked with the CWRU Hacker Society to create joint events hosting alumni in the technology industry
- Prepared students for participation in the 30 Days of Google Cloud event and Google Solution Challenge