

William B. Towle

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EDUCATION

Davidson College

Magna Cum Laude, Bachelor of Science, Computer Science Major, Mathematics Minor

- Major GPA: 3.8, Minor GPA: 4.0

Davidson, NC

Class of 2023

The London School of Economics

Summer Semester

- Relevant Coursework: Alternative Investments, Analysis and Management of Financial Risk

London, England, UK

June – July 2021

TECHNICAL SKILLS

Languages

- Go, Java, Python, C, TypeScript, HTML, CSS

DevOps

- MongoDB, Kafka, Kubernetes, Docker, Git, Datadog, Helm, Codefresh, Postman, Loft vClusters, Unit and Synthetic Tests

EXPERIENCE

Associate Software Engineer

Precisely

Remote

July 2023 – Present

- Design, implement, and test microservices in a high-scale production environment serving Fortune 100 companies
- Optimize and monitor 10+ services that are responsible for product's complex account administration features
- Lead design reviews with peers and stakeholders, selecting optimal technologies to deliver FIPS-compliant and scalable services
- Own and act as primary technical contact for two critical services, ensuring reliability and performance
- Develop and update technical documentation to streamline adoption of internal APIs and SDKs amongst other teams

AI Researcher

Davidson College Independent Study

Davidson, NC

August – December 2022

- Trained deep neural networks on billions of real-time data points to develop a quantitative investing strategy
- Wrote weekly reports summarizing group's progress and detailing research findings

Grader for Data Structures Course

Davidson College Center for Teaching and Learning

Davidson, NC

August 2021 – January 2022

- Encouraged by faculty to apply for position after outstanding performance in course
- Graded weekly assignments for 60 students in a 200-level computer science course

Full-Stack Engineer - Intern

Precisely

Remote

May – August 2022

- Integrated third-party software into existing Angular infrastructure for UX tracking and analytics

Data Consultant

Data CATS at The Hurt Hub

Davidson, NC

February – May 2022

- Supported students, college faculty and staff, and local companies in organizing, visualizing, and analyzing data

LEADERSHIP & INVOLVEMENT

Writing Fellow

Davidson College Center for Teaching and Learning

Davidson, NC

August 2020 – May 2021

- One of 25 students invited to apply from First-Year class as a result of outstanding performance in introductory writing course
- Performed as an embedded writing tutor for two introductory writing classes for first year students

Hall Counselor

Davidson College Resident Life Office

Davidson, NC

August 2020 – May 2021

- Awarded the annual *Emerging Leader* award (given to six of 70+ student leaders) and a monthly *Overall Student Leader* award

Practice Player

Davidson College Women's Basketball Team

Davidson, NC

September 2019 – January 2021

- Studied opposing teams' players on film to emulate their play style during scrimmages

INTERESTS

- Running, reading, snow skiing, mountain biking, motorcycling, guitar, trivia, Rubik's cube