HANNAH NORMAN

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4609 Moorland Avenue, Edina, MN 55424

EDUCATION

Stanford University
Stanford, CA
2023 – 2025
M.S. Computer Science

Georgetown University
Washington, D.C.
2019 – 2023
B.S. Computer Science
Minor: Mathematics

University of St Andrews
St Andrews, Scotland
Fall 2021 (Study Abroad)

SKILLS

Programming Languages
(Proficient):
   Python, Java, C/C++
(Intermediate):
   Kotlin, SQL
(Beginner):
   Swift, R, TypeScript, Vue.js

Software
Git, LaTeX

Operating Systems
macOS, Linux, Windows

HONORS

Summa Cum Laude
Georgetown University
GPA: 3.99/4.00
May 2023

Phi Beta Kappa Member
Georgetown University,
Delta Chapter
May 2023

Clare Boothe Luce Scholar
Georgetown University
$5000 Research Award
2021-2022 Academic Year

National Merit Scholar
Commended
Sept 2018

PROFESSIONAL EXPERIENCE

Teaching Assistant   *Georgetown University | Washington, D.C. | June 2020 – May 2023*
- Introduction to Programming (Summer 2020, 2021): Led post-lecture discussion groups with 10 students, where programming assignments were completed, discussed, and graded
- Discrete Mathematics (Summer 2020, Spring 2021): Managed three weekly office hours and graded twice-weekly written homework assignments for 20 students
- Computational Structures (Fall 2022, Spring 2023): Conducted three weekly office hours in the lab and assisted with grading weekly homework assignments and lab write-ups for 40 students

Software Engineer Intern   *Target | Minneapolis, MN | June 2022 – Aug 2022*
Built the backend of a database management application for warehouse door assignments that enables end-users to configure sitewide settings in real time and interact with records in the tables
- Collaborated with 10 engineers on Warehouse Data Services team following CI/CD approach
- Designed database structure, built database tables, defined API contracts, implemented each endpoint, and wrote unit tests while maintaining continuous dialogue with frontend team

Software Developer Intern   *Protolabs | Maple Plain, MN | June 2021 – Aug 2021*
Implemented front and backend e-commerce fixes daily for continual improvement of live customer-facing website, which had its 2.0 launch the previous year
- Maintained code with four developers and a quality engineer following agile methodology
- Wrote and debugged unit and automated acceptance tests to ensure seamless integration of work items into code repository for e-commerce site enhancements

Software Quality Engineer Intern   *Protolabs | Maple Plain, MN | May 2020 – Aug 2020*
Wrote, maintained, and executed tests in automation framework for e-commerce site to prepare for Protolabs 2.0, the relaunch of the company's customer-facing and backend software systems
- Identified and reproduced application bugs; assisted developers with troubleshooting and fixes
- Performed end-to-end, functional, and regression testing on real e-commerce workflows to ensure bug-free usage for customers and manufacturing plant workers

RESEARCH EXPERIENCE

Research Assistant   *Brown University, Computer Science | Providence, RI | May 2021 – Dec 2022*
Assisted PhD candidate Reza Esfandiarpoor under advisor Dr. Stephen Bach on computer vision tasks
- Investigated zero-shot image classification models augmented with natural language supervision
- Developed benchmarks for selection of auxiliary data to supplement limited labeled data available for few-shot image classification tasks, and harnessed structured knowledge to do so
- Leveraged PyTorch, Scikit-learn, and Pandas libraries among others in Python

exploreCSR Student   *Brown University, Computer Science | Providence, RI | Jan 2021 – May 2021*
Competitively selected for exploreCSR: Socially Responsible AI for Computational Creativity program, sponsored by Google Research; worked with PhD candidate and mentored by Dr. Srinath Sridhar
- Implemented few-shot learning model for image classification tasks in Python

Research Assistant   *Georgetown University, History | Washington, D.C. | May 2020 – Sept 2020*
Compiled and analyzed multimedia resources about the Atomic Age for Dr. Kathryn Olesko
- Discussed findings and how they might best be presented in book form on a biweekly basis

VOLUNTEER ACTIVITIES

Tutor   *DC Reads | Washington, D.C. | Oct 2019 – Jan 2020*
Prepared lesson plans and tutored second grader in reading comprehension for six hours weekly

Tutor   *TwinCities Tutoring | Minneapolis, MN | June 2018 – Aug 2019*
Tutored students grades 2–9 on writing, reading, and math weekly and offered homework support