

STEFAN HELLER

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EDUCATION

University of Maryland, College Park

College of Computer, Mathematical, & Natural Sciences

Bachelor of Science, Computer Science

Bachelor of Science, Physics

Minor in Computer Science

May 2018-2022

Overall GPA: 3.72

Completed Course Work

- Programming – Applied Machine Learning, Object Oriented Programming, Computer Systems, Discrete Math
- Math – Calculus III, Linear Algebra, Differential Equations, Complex Analysis
- Physics – Quantum and Statistical Mechanics, Optics, Mechanics, and Electrical Labs

SKILLS

Languages: Java, C#, JavaScript, Python, SQL, JavaScript, CSS, HTML5

Frameworks/Libraries: MVC, PyTorch, Keras, ASP.NET, Node.js

Operating Systems: MacOS, Linux, Windows

WORK EXPERIENCE

The Washington Service

Bethesda, MD

Software Development Intern

May-August 2018, 2019, 2020

- Built a task management and alert system to generate and handle tasks and reports in real-time concurrently across multiple employees
- Maintained and implemented code and feature improvements to client facing websites and programs
- Collaborated with a small IT team to build and maintain software including Web and Internal apps using MVC, ASP.NET, SQL and C#
- Conducted database maintenance and data entry
- Ported existing programs into newer, preferred languages

University of Maryland, College of Computer, Mathematical and Natural Sciences

College Park, MD

Undergraduate Teaching Assistant - PHYS260&PHYS122

Jan-May 2020, September 2020-Present

- Led discussion sections of 20-30 students to supplement and further explain lectures
- Directed virtual lab sessions, guiding students through experiments and providing explanations behind calculations and procedures
- Wrote and graded quizzes on topics covered in lecture
- Held office hours to guide students to further understand class concepts

American University Gravity and Thermal Noise Lab

Washington, DC

Researcher

June-August 2017

- Analyzed the statistical distribution of quality factor on LIGO mirror coatings in a team of 3 undergraduate researchers
- Wrote software to do statistical calculations and data analysis
- Maintained and operated extremely sensitive lab equipment including a vacuum chamber and oscilloscope

LEADERSHIP ROLES

Climbing Club Vice President (UMD)

August 2018-Present

- Coordinated with a team of 4 executive board members to manage a club of about 60 athletes
- Organized club activities and competitions
- Acted as a main point of communication with school and league management

Captain of Varsity High School Swim Team (Walt Whitman HS)

November 2017-March 2018

- Elected captain of Varsity Swim Team
- Organized and facilitated social events
- Competed and helped others to compete in team events