

BO HE

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EDUCATION

University of Maryland

Computer Science

College Park, Maryland

Expected May 2024

Bachelor of Science in Computer Science, Bachelor of Science in Mathematics

University of Utah

GPA: 3.74 / 4

Salt Lake City, UT

August 2019 – December 2021

Completed select coursework in Computer Science and Mathematics

- The International Student and Scholar Services (ISSS) Scholarship (May 2021)
- Academic Excellence Scholarship (March 2019)

Skills

Languages: C++, C, JAVA, Python, Ruby, OCaml

PROJECTS

Independent Project Development of Web Design

July 2022 – August 2022

<https://my.hebo.life/>

College Park, Maryland

- Built website content and designs using **HTML** and **CSS**
- Deployed websites on Virtual Private Server (VPS) to host websites
- Installed WordPress, Bitwarden, FileRun etc. on VPS using **Docker** to display portfolio content and to host own password manager and cloud drive

Introduction to Computer Systems *Projects implemented by C*

February 2022 – April 2022

<https://site.hebo.life/216projects/>

College Park, Maryland

- Wrote a simulation of a self-defined CPU, which is able to execute self-defined machine-language programs
- Wrote a small simulation of the filesystem component of an imitation UNIX system called Ournix, which can model a few of the most common commands of UNIX
- Transferred provided C programs to MIPS assembly language programs

Object-Oriented Prog *Plants vs. Zombies Project*

November 2020 – December 2020

<https://site.hebo.life/1410final/>

Salt Lake City, Utah

- Understood the use of inheritance and polymorphism in complex **JAVA** projects
- Developed an event-driven program and used elements of a GUI program

EXPERIENCE

Artificial Intelligence and Robotics in Medicine Lab

June 2021 – December 2021

Undergraduate Researcher

Salt Lake City, Utah

- Cultivated important skills, including team cooperation and oral and written communication due to hands-on work in lab
- Self-studied Coursera classes *Modern Robotics* by Kevin Lynch to gain some basic knowledge about robotics

University of Utah Mathematics Department

October 2020 – December 2021

Undergraduate Teaching Assistant

Salt Lake City, Utah

- Utilized email, in-person meetings to answer Calculus questions and mentor struggling students
- Graded assignments and tests using answer key, documented results and informed lead teacher of student's performance
- Helped in the Math Center during finals weeks to answer Calculus and Differential Equations questions