

Matthew Barry

15215 Evergreen Knoll Ln, Cypress, TX, 77433 | 832-732-5077 | matthew-barry@att.net

Objective

- Passionate student searching for an internship in software development and computer programming to obtain hands-on experience in an always-evolving field of work. Diligent worker with an intense hunger for knowledge in the realm of software engineering and critical-thinking-based problem solving. Excellent interpersonal skills and able to grasp new concepts quickly.

Education

TEXAS A&M UNIVERSITY – COLLEGE STATION, TX

BACHELOR OF SCIENCE COMPUTER SCIENCE AND ENGINEERING, EXPECTED IN 05/2024

GPA: 3.372/4.000

Skills

- Familiarity with Python, HTML, CSS
- Deep understanding of programming-based logic
- Experienced with Java, C++, Haskell
- Advanced mathematics
- Microsoft Office (Word, PowerPoint, Excel)
- Efficient at communication in group projects
- Great time management

Professional Experience

INTRO TO PYTHON COURSE | TEXAS A&M UNIVERSITY | 08/2020 – 12/2020

- Created and submitted time consuming programming labs dealing with statistics on a weekly schedule.
- Completed team project based on the text adventure games from the early days of computer gaming.
- Fostered a productive and communicative team environment by managing my end-of-year final project.

ENGINEERING STATISTICS LAB | TEXAS A&M UNIVERSITY | 01/2021 – 05/2021

- Analyzed and manipulated physics laboratory data using Python and Microsoft Office (Excel, Word).

INTRO TO C++ COURSE | TEXAS A&M UNIVERSITY | 08/2021 – 12/2021

- Developed firm and extensive foundation of the C++ coding language while participating in a partner-based, weekly lab designed to provide applications for coding principles learned in lecture.

DATA STRUCTURES AND ALGORITHMS COURSE LAB WORK | TEXAS A&M UNIVERSITY | 01/2022 – 05/2022

- Expanded knowledge of the C++ language by learning about complex data structures commonly used for processes.

- Applied knowledge to analyze common algorithms and their applications.

COMPUTER ORGANIZATION COURSE LAB WORK | TEXAS A&M UNIVERSITY | 01/2022 – 05/2022

- Learned the basics of Assembly (X86 and Y86) and how this language relates to and communicates with computers on a hardware level.
- Developed digital CPU with a team in Logisim program, in conjunction with Assembly code, with working fetch, decode, execute, memory, and write back stages, and all related design documents.

PROGRAMMING LANGUAGES COURSE | TEXAS A&M UNIVERSITY | 01/2022 – 05/2022

- Developed a deep understanding of Java (JVM, etc.) as well as gained a complex understanding of the Haskell language.

Affiliations

TEXAS A&M CYBERSECURITY CLUB

- participated in weekly meetings about the fundamentals and intricacies of software and network security. Attended hour-long, weekly informationals run by cybersecurity companies about the speakers' experiences in the field as well as ways to hone one's skills in the area.

TEXAS A&M HOWDY HACK AND TAMUHACK HACKATHONS

- participated in two 24-hour, timed coding competition in a team of four students, given only the prompt of making a program with musical, and botanic themes, respectively. Demonstrated collaborative project development skills as well as the ability to submit work on a strict deadline.

TEXAS A&M UNIVERSITY DATATHON

- attended a 24-hour data analysis workshop/competition with a group of six other aspiring programmers, using HTML, CSS, and JavaScript. Learned about statistics analysis and techniques used to pull information from the internet, such as web scraping.

TEXAS A&M GAME DEVELOPERS CLUB

- Participated in the Texas A&M Game Developer Club's semester-long Game Jam with two peers.