Gage Broberg

Software Engineer

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OBJECTIVE

Driven senior computer science and applied mathematics double degree student at Texas A&M looking for a company to grow alongside as an intern in Summer 2023.

EXPERIENCE

AYOKA SYSTEMS | MOBILE APPLICATION DEVELOPMENT INTERN

May 2022 – Current | **Arlington, Texas**

→ Worked on a team developing applications for android, iOS, and web.
→ Programmed in Kotlin, Swift, Vue.js, and Ruby.

SYSTEMWARE | SOFTWARE DEVELOPMENT INTERN

May 2021 – August 2021 | **Addison, Texas**

→ Wrote a standalone Java application to improve code written by other developers.
→ Programmed in Java and created a User Interface in HTML, CSS, and vanilla JS.

PROJECTS

PC PARLOR | NODE.JS, EXPRESS.JS, EJS, JAVASCRIPT, CSS, PYTHON

2022

→ Exploited public-facing APIs of major retailers to grab computer part information.
→ Built website to help users build a PC.

MARBLE DECENT THROUGH A VISCOUS FLUID | MATLAB

2021

→ Leveraged dimensional analysis and Matlab scripts to predict the terminal velocity of a marble in a viscous fluid.

HIV MODELING | MATLAB

2021

→ Replicated a previous analysis of HIV dynamics in the body and used result to create a new model.
→ Determined the effectiveness of ritonavir in returning T-Cell counts to normal.

POKER PROBABILITY ANALYSIS | MATLAB

2021

→ Analyzed probabilities of obtaining certain poker hands and conducted optimal strategy analysis.

PERSONAL WEBSITE | HTML, CSS, JAVASCRIPT

2020

→ Designed and constructed a personal website, inspired by the macOS operating system.
→ Written in pure HTML, CSS, and JavaScript and hosted using Texas A&M's hosting service.

EDUCATION

TEXAS A&M UNIVERSITY

BACHELOR'S IN COMPUTER SCIENCE
BACHELOR'S IN APPLIED MATHEMATICS

December 2023 | **College Station, Texas**
Cum. GPA: 3.77 / 4.0

WOODROW WILSON HIGH SCHOOL

IB DIPLOMA

May 2019 | **Dallas, Texas**
Valedictorian

SKILLS

PROGRAMMING

Proficient:
C++ • C • Java • Python • HTML • CSS • JavaScript • Swift • Kotlin • LaTeX

Experienced:
SQL • Matlab • EJS • TypeScript

Familiar:
Ruby • R • Shell • Assembly

LIBRARIES/FRAMEWORKS

Vue.js • Node.js • Express.js

TOOLS/PLATFORMS

Git • GitHub • SourceTree • Jenkins • Heroku • Bash • Docker • s3