




# Gage Broberg

Software Engineer

 gagebroberg

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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 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