

# JACKSON HAGOOD

Computer Engineering Student & Future Software Engineer

## Profile

Senior Engineering student at Texas A&M University with a 4.0 GPA. Worked as Software Engineering Intern at JPMorgan Chase in Summer 2022. Currently work as a teaching assistant in the CSE department at Texas A&M. Will be returning to JPMorgan Chase next Summer as a Software Engineer (SEP) in Plano, TX.

## Education

**BS Texas A&M University** 8/2019—Present

- Bachelor of Science in Computer Engineering (Computer Science track, CECN)
- Minor in Mathematics
- 4.0 GPA, 116 hours completed (senior classification)
- Dean's Honor Roll
- Member of Tau Beta Pi (Texas Delta Chapter)
- Expected graduation May 2023

## Work Experience

**Software Engineering Intern at JPMorgan Chase** 6/2021—8/2021

- Worked as full-stack software engineer on a project to be deployed into production
- JavaScript React / Redux front-end
- Java Spring Boot back-end
- Cassandra database
- Deployment with Jenkins
- Agile development with Jira and Bitbucket

**Undergraduate Teaching Assistant for CSCE 121** 9/2021—Present

- In charge of leading weekly lab sections
- Hold frequent office hours to assist students with lab exercises and homework
- Help formulate course materials including exam questions
- Grading responsibilities
- CSCE 121 covers object-oriented programming, dynamic memory, debugging, algorithms, and software development

**Code Sensei at Code Ninjas** 6/2018—12/2021

- Worked at Code Ninjas The Woodlands and Code Ninjas Magnolia
- Primarily instructive and tutoring work with students aged 7—16 in JavaScript, Python, and C#
- Served in a lead role which included advising other locations and training new Senseis
- Developed documentation for JavaScript curriculum used at several locations across the United States
- Designed and implemented a introduction to Python camp

**Eagle Scout** 2013—2018

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- 🐙 [github.com/JacksonHagood](https://github.com/JacksonHagood)

## Programming

### C++

- Experience with OOP, algorithms, abstract data types, and computer systems
- Teaching experience as CSE TA

### Java

- Experience with OOP, abstract data types, and multi-threading
- **Spring Boot** API development

### JavaScript

- Asynchronous programming, OOP, and **Node JS**
- **React JS / Redux JS**
- **HTML / CSS**

### Python

- Experience with OOP and mathematical modeling (**NumPy**)
- **Flask** full stack development
- Code Ninjas camp development

### Other Technologies

- **Cassandra**
- **PostgreSQL**
- **Haskell**
- **ARM Assembly**
- **Lua**
- **MATLAB**
- **Git**
- **Jenkins**
- **Jira / Bitbucket**

## Skills

### Electrical Engineering

- Circuit design and analysis
- Signals and systems
- **Verilog**
- **SPICE** and **Multisim**

### Mathematics

- Cryptography
- Calculus / differential equations
- Linear algebra and applied math
- Discrete math

### 3D Modeling & CAD

- **Blender, Maya, 3DS Max, and AutoCAD**

### Computer Hardware