

Jack Sebastian

jacksebastian.com

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Education

Texas A&M University / College Station, TX

Aug 2019 – May 2023

B.Sc. Computer Science and Applied Mathematics / GPA: 3.83

Awards/Distinctions: Honors Fellow, University Research Scholar, Engineering Honors, Honors in Mathematics, Latin Honors

Relevant Coursework: Data Structures and Algorithms, Computer Organization, Programming Languages, Machine Learning, Introduction to Computer Systems, Computer and Network Security, Analysis of Algorithms, Parallel Computing, Cloud Computing, Human-Computer Interaction, Scientific Programming

Programming Languages and Skills

Languages: Java, Python, C++, JavaScript, HTML, CSS

Databases: MongoDB, SQL

Frameworks: React.js, Node.js, Express.js, Flask

Cloud Services: Amazon Web Services (AWS)

Experience

Amazon / Software Development Engineer Intern / Austin, TX

May 2022 – August 2022

- Developed application for D2AS team that helps Amazon device PMs onboard new Amazon devices into internal system more efficiently and effectively.
 - Utilized React, NodeJS, Java, AWS ECS.
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Projects

Visit github.com/jacksebastian17 for more projects

Illicit Transaction Graph Attention Network / github.com/jacksebastian17/graph-attention-network

- Built a Graph Attention Network (GAT) classifier to predict illicit transactions on the Bitcoin blockchain (part of research thesis).
- Utilized Python, TensorFlow, Keras, NumPy, pandas, scikit-learn.

Sports Betting Program / github.com/jacksebastian17/betting-algo

- Self-developed a positive expected value (EV) sports betting tool that uses web scraping to obtain odds from sportsbooks and calculates “edges” over the market to make a profit.
- Utilized Python, Selenium, Pandas.

Harmonia / github.com/tamu-datathon-org/harmonia

- Discord OAuth2 Bot that connects a user’s Discord accounts to their TAMU Datathon account.
 - Utilized Next JS, React, Typescript, CSS.
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Organizations

TAMU Datathon / Vice President / College Station, TX

March 2021 – January 2023

- Leads a team of 21 students that host an annual hackathon that reaches over 1,000 students.
- Creating cutting edge web applications to increase engagement and insights from participants.

Google Developer Student Club / President / College Station, TX

June 2021 – May 2022

- Lead for Google’s student-led organization that aims to promote/educate about Google technologies to the local community.
- Hosted events weekly to 100+ club members and helped build web applications to non-profits in the local area.