

Austin Jackson

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OBJECTIVE

Software Engineering Intern. Computer Science student with a focus on front-end and back-end development for web and software. Interested in innovative methods of utilizing data and technology to serve the needs of people. Seeking opportunities to learn, collaborate, and create solutions.

EDUCATION

- **University of Houston** Houston, TX
Bachelor of Science in Computer Science. Transferred from A&M. Aug. 2019 – Dec. 2021
- **Texas A&M University** College Station, TX
Bachelor of Science in progress, Electronic Systems Engineering Technology. Aug. 2017 – Aug. 2019

EXPERIENCE

- **Harris County Engineering Department** Houston, TX
<https://www.eng.hctx.net/> Nov 2020 - Present
Programmer II: Working with C# and .NET 5 to create ASP.NET MVC Applications with Angular to service Harris County internally. Familiarizing with Repository/Unit-of-Work patterns in C#.
- **Harris County Universal Services** Houston, TX
<https://us.harriscountytexas.gov/> Jan 2020 - Nov 2020
Software Engineering Intern, Programmer I: Working with C# and .NET 5 to create ASP.NET MVC Applications with Angular to service Harris County internally. Familiarizing with Repository/Unit-of-Work patterns in C#.
- **Texas A&M University College of Engineering** College Station, TX
<https://engineering.tamu.edu/nuclear/profiles/staff.html> Jan 2018 to Aug 2019
Information Technology Student Technician: Responsible for software solutions, hardware repair for Nuclear Engineering Department. Implemented automated software package deployment with Chocolatey and Windows images over PXE. Answering Help Desk phone calls and email correspondence.
- **SalesNexus** Houston, TX
<https://www.salesnexus.com/> Jan 2016 - May 2016
Software Development Intern: Thoroughly testing CRM and marketing automation web platform features and writing automated unit tests. Developed unit tests implementing Selenium for browser automation.

PROJECTS

- **CougarGrades.io:** Open source React app for analyzing grade distribution data for University of Houston courses. Serverless APIs to concurrently process relational CSV data into document-based NoSQL. Over 15,000 unique visitors since September 2019 launch (as of November. 2020). Deployed to Google Firebase for horizontal scaling. Available at <https://cougargrades.io/>
- **Roboruri:** Open source Telegram chatbot for searching, indexing, and referencing anime across multiple websites. Over 200 active users at peak. Available at <https://github.com/au5ton/Roboruri>
- **LipsumLogin:** TAMUhack (2019) hackathon project for secure, passwordless logins using Ethereum/web3 cryptographic signatures. Available at <https://github.com/au5ton/tamuhack2019>
- **Stego:** CodeRED Liftoff (2015) hackathon project for proof-of-concept steganography with PNG images. Available at <https://git.io/vRX9M>
- **Watchdox:** Reverse engineering digital rights management (DRM) used by Blackberry Workspaces to export secure documents. Available at <https://github.com/au5ton/watchdox>

PROGRAMMING SKILLS

- **Languages:** Javascript/TypeScript, Python, C#, C++, Java, PowerShell, Bash, MATLAB
- **Technologies:** Node.js, React, Docker, .NET Core, Firebase, AWS, SQL, Git/Github, Maven, Arduino
- **Interests:** Open source technologies, Education, Information Security, Cryptocurrencies, Civil rights

EXTRACURRICULAR

- Teachers Assistant and Volunteer Tutor for High School Computer Science courses from Fall 2014 to Spring 2017.
- Annual Texas Computer Science UIL regional competitor during high school.