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DYLAN THERIOT

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College Station, TX

EDUCATION

Texas A&M University **May 2022**
B.S. in Computer Science with minor in Cybersecurity, GPA 4.0

EMPLOYMENT

Texas A&M University **Spring 2020 – Present**
Research Assistant
- Developing static analysis methods for detecting race conditions in Fortran and MLIR
- Researching Fortran parallelization optimization methods with the Flang compiler and OpenMP

Chick-fil-A Corporate **Summer 2020**
Software Engineer Intern
- Analyzed over 10 datasets of restaurant equipment and IoT devices aggregating ~10,000 data points for centralized storage
- Prototyped a mobile app showing restaurant devices and MQTT history proving app viability for Operators in production
- Created a database with 12 API endpoints for the app to retrieve subsets of data using AWS DynamoDB and API Gateway

Heavy Construction Systems Specialists **Summer 2019**
Software Development Intern
- Developed activity reports, subscription tiers, dashboard models, popup modals, APIs, and unit tests in C#.NET
- Migrated the Credentials web app to an annual billing model resulting in over seven product payment standardizations
- Integrated two new products for purchase to the HCSS software suite that have been bought by over 500 customers

PROJECTS

terra (EarthxHack 2020): Awarded Third Place and National Geographic Challenge ($7000 Prize)
- Social media app encouraging individuals to challenge and compete in viral trends to better the world
- Worked on the front-end UI/UX along with integration with our own REST APIs in Flutter/Dart

Braille-iant (TAMUmake 2020): Awarded First Place and Accessibility Challenge ($500 Prize)
- Custom built braille printer integrated with a web app to create personalized letters to be printed in braille
- Built the front-end design and web application UI/UX with Python/Flask, Bootstrap, HTML/CSS/Javascript

Eco-Mode (TAMUhack 2020): Awarded First Place, Credera's Best Mobile App, PwC's Most Impact Award ($1300 Prize)
- Mobile app using computer vision to detect an object and return eco-friendly reusability ideas from the web
- Made the back-end web scraping and front-end integration with Python/Flask, React Native, and Microsoft Azure

LEADERSHIP AND INVOLVEMENT

TAMUhack **Spring 2020 - Present**
Director
- Programming a registration system and websites to help hackathon organization and management used by 300+ hackers
- Hosting two hackathons a year - one of which is the largest MLH hackathon in Texas with over 700 participants

Student Engineers' Council **Fall 2019 – Present**
Systems Administration Chair
- Leading a team of 12 in the development of all technologies utilized by the council with agile practices
- Managing SEC websites for the largest student run career fair in Texas (400+ companies), event information, and more
- Promoting engineering in the Bryan/College Station community and serving over 15,000 engineering students

Chillennium Game Jam **Spring 2019 - Present**
Digital Media and Website Chair
- Developed the main website, team assignment, email automation, and other digital services utilized by 400+ users
- Organizing and running the largest, annual, student run game jam in North America with 15+ sponsors and 400+ hackers

HONORS

- Brockman Scholar – Full Ride Scholarship
- Tau Beta Pi Engineering Honor Society
- Clear Lake High School Salutatorian, c/o 2018
- A&M Engineering Honors
- Dean's Honor Roll
- National Merit Scholar

SKILLS

- Python; C++; HTML/CSS/JavaScript; Flutter/Dart; SQL; React; TailwindCSS; Bootstrap
- Visual Studio; VSCode; Unity; Git; Ubuntu; Amazon Web Services; Google Cloud Platform, Heroku