dylantheriot.com
linkedin.com/in/dylan-theriot
github.com/dylantheriot

DYLAN THERIOT

(832) 563-7508
dylantheriot@tamu.edu
College Station, TX

EDUCATION

Texas A&M University   **May 2022**
B.S. in Computer Science with minor in Cybersecurity   *GPA 4.0*
- Related Coursework: Discrete Structures in Computing, Data Structures and Algorithms, Programming Languages, Computer Organization, Problem Solving Programming Strategies, Linear Algebra, Cryptography

EMPLOYMENT

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

Software Engineering Intern   **Chick-fil-A Corporate**   **Summer 2020**
- Analyzed big datasets regarding restaurant equipment and restaurant IoT devices following MQTT protocols
- Prototyped a mobile app that utilizes restaurant data to display equipment info/history with Flutter and Dart
- Created a back-end database with AWS DynamoDB/API Gateway to interface subsets of data with the app

Software Development Intern   **Heavy Construction Systems Specialists**   **Summer 2019**
- Developed activity reports, subscription tiers, dashboard models, popup modals, APIs, unit tests in C#.NET
- Adjusted the Credentials web app to the new annual billing model from the previous monthly model
- Integrated two new products to the HCSS suite of products for customers to buy and gain access to

PROJECTS

terra (EarthxHack) (2020): Awarded Third Place and National Geographic Challenge
- Social media app encouraging individuals to challenge and compete in viral trends to better our world
- Worked primarily 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
- Custom built braille printer integrated with a web app to create customized 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 Challenge
- Mobile app using computer vision to detect an object and return eco-friendly reusability ideas from the web
- Made the back-end web scraping/front-end integration with Python/Flask, React Native, and Microsoft Azure

LEADERSHIP AND INVOLVEMENT

Director   **TAMUhack**   **Spring 2020 - Present**
- Programming registration systems and websites to help hackathon organization and management
- Hosting two hackathons a year - the largest MLH hackathon in Texas and a beginner friendly competition

Systems Administration Chair   **Student Engineers' Council**   **Fall 2019 – Present**
- Leading a team of 12 in the development of all technologies utilized by the council with agile practices
- Managing SEC websites for finance tracking, career fair services, event information, general applications, etc.
- Promoting engineering in the Bryan/College Station community and serving over 15,000 engineering students

Digital Media & Website Chair   **Chillennium Game Jam**   **Spring 2019 - Present**
- Updating and developing the main website, team assignment and excel scripts, and other digital services
- Organizing and running the largest, annual student run game jam in the world with over 400 participants

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

Languages, Skills, and Technologies

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