Chase B. **McDermott**

Junior - Computer Science

171 Forest Dr. College Station, TX

(903) 279-7569 | chase.mcdermott12@gmail.com | http://chase1745.github.io | chase1745

Education

Texas A&M University — *College Station, TX*

B.S. in Computer Science (CSCE) — *Expected Graduation: Dec. 2019*

- Department GPA: 3.8/4.0
- Minor in Business and Mathematics

Experience

Texas A&M College of Engineering IT Department — *College Station, TX*

Application Developer — *May 2017-Present*

- Collaborated with a team of 4 to develop Ruby on Rails web applications using the Agile development process for use by the entire College of Engineering including over 2000 faculty and 18,000 students.
- Designed and implemented an application to manage faculty requests for hiring new employees using Ruby on Rails, Bootstrap, and jQuery, with a RESTful API.
- Implemented efficient sorting, searching, and pagination on both front-end and back-end for over 4000 database entries, utilizing various Ruby Gems and AJAX requests.

Texas A&M College of Engineering — *College Station, TX*

Peer Teaching Assistant — *Aug. 2016 - May 2017*

- Assisted Professor and Graduate Assistant with class grading and reviewing.
- Collaborated with other Peer Teachers to assist students with class activities as needed.

Skills

Languages Python (proficient) · C/C++ (proficient) · Ruby (familiar) · Javascript (familiar) · Java (familiar)

Tools and Frameworks Ruby on Rails · Flask(Python) · Git · HTML5/CSS3 · React · iOS Development (learning)

Personal Projects

Course Planner — *Python · Flask*

http://chasemcd1745.pythonanywhere.com/

- Utilizes an algorithm to efficiently find all possible schedules based on a varying amount of inputted course and sections.
- Designed and built from the ground up as a personal project because this is something that I cannot find and would be extremely useful for students.
- Created the application using the Flask framework, as well as various Javascript libraries.

Ethereum Private Blockchain Application — *Solidity · Node.js*

Link Not Available

- Created with a team of four at the 2017 ConocoPhillips Innovation Challenge as a solution to efficiently and securely store oil rig production data, placing 2nd in the competition.
- Utilizes the Ethereum blockchain to store well production data using smart contracts written in Solidity.
- Integrated with a web application written in Node.js to import the data from the blockchain using the Web3 API and display pertinent information such as statistical analysis.

Leadership Experience

Memorial Student Center Freshmen in Service and Hosting

Assistant Director — *Oct. 2015 - May 2017*

- Organized and oversaw planning and execution of large-scale events and programs.
- Facilitated work among sub-committee of freshmen that I lead in two different sub-committees: Day-Of, and later Marketing.

Activities

ConocoPhillips Innovation Challenge - 2nd Place — *Fall 2017*

Texas A&M Computing Society — *Sep. 2015 - Present*