Chase B. **McDermott**

JUNIOR - COMPUTER SCIENCE

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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 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) · jQuery (familiar)

Tools and Frameworks   Ruby on Rails · Flask(Python) · Git · HTML5/CSS3

Personal Projects

Course Planner *Python · Flask*

HTTPS://GITHUB.COM/CHASE1745/COURSE-PLANNER

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

16-Bit Assembler *Python*

HTTPS://GITHUB.COM/CHASE1745/ASSEMBLER

- Started from a NAND gate, and worked all the way up through abstraction to an assembler, learning about RAM, CPU architecture, and other Computer Organization key concepts along the way, to build an Assembler in the 'Hack' Assembly Language.

Back-end Store Project *C++*

HTTPS://GITHUB.COM/CHASE1745/STORE-BACKEND-EXAMPLE

- Created and designed this for a class project simulating a back-end for organizing data for a store.

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 four freshmen that I lead in two different sub-committees: Day-Of, and later Marketing.

Activities

ConocoPhillips Innovation Challenge	*Fall 2017*
Texas A&M Computing Society	*Sep. 2015 - Present*
Intramural Football and Basketball	*Aug. 2015 - Present*