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corder.tech

# James Corder Guy

512 994 8895

**Education:**

- **Texas A&M University**, College Station, TX                    Fall 2014 - Present
  **Computer Science**, Bachelor of Science
  Expected Graduation: **May 2019**
  GPA: **3.4**/4.0

**Technical Skills:**

- Programming:

| | | |
|---|---|---|
| Python | C++ | C# |
| MATLAB | LaTeX | Git |

- Software:

| | |
|---|---|
| Microsoft Windows | Microsoft Office |
| Linux | Bash |

- Computer hardware servicing

**Projects:**

- **Software Rasterizer**                    Spring 2018
  Created a program in C++ that read a 3D model file and rendered it to a 2D image, using an orthographic projection and z-buffering.
- **Bus Route Webapp** (team of 3)                    Spring 2017
  Designed and programmed the back-end of a webapp that interacted with Texas A&M's transportation API and mapped bus routes and locations onto Google Maps, using Typescript/Javascript.
- **Database** (team of 3)                    Spring 2017
  Designed and programmed an SQL-like database in C++ in tandem with another team of students. Each team developed and documented a back-end, then swapped to create a front-end for the other team's back-end.
- **Memory Allocator** (team of 2)                    Spring 2017
  Designed and implemented a buddy-system memory allocator in C++.

**Work Experience:**

- **Texas A&M Live Lab**                    Summer 2017
  **Student Developer**
  Worked on the video game *Variant: Prime*, an edutainment calculus game by Triseum. Responsibilities included implementation of an interactive mathematics manipulation environment using C# and the Unity game engine, as well as development of tools as requested by other teams on the project.
- **Teacher Retirement System of Texas, Austin, TX**                    Summer 2015
  **Technical Support Intern**
  Helped employees with computer- and network-related issues.
  Prepared and deployed workstations for new and existing employees.
  Monitored ongoing computer operations and alerted appropriate staff of problems.

**Honors:**

- **TAMU Engineering Honors**
- Recipient of 4 scholarships funding 70% of tuition:
  - National Merit Scholar Recognition Scholarship
  - National Merit Scholarship
  - President's Endowed Scholarship
  - TAMU CSCE Industrial Affiliate Program Scholarship

**Notable Awards:**

- **Eagle Scout** project: educational garden outlining ecological regions of Texas    Fall 2013