Randall Blake

(512)574-6609 — blakerandall0@gmail.com

Summary

- Experience with version control systems, continuous integration, and bug tracking
- Studying AI, computational neural networks, and computer graphics

Education

University of Texas at Dallas   2013-2017

- BS Computer Science 2017

Experience

Software Engineering internship at Apcon   2016-2017

- Finding and fixing bugs, performing static code analysis
- Migrated software to cloud and improved Linux installation
- Developed server software using Adobe Flex and C++

Projects

Fencing Tournament Organizer Web Service   2018

- Developed in Python and Flask to run fencing tournaments
- Stores results in a database to allow for live viewing of results
- Used by the Southwest Intercollegiate Fencing Association
- (https://github.com/justaddbass/FencingTournamentTool)

Flat-Panel Airborne Radio Control   2017

- Senior CS Semester project, team of 5
- Worked with Sponsor, Rockwell Collins to develop software for radio control and maintenance

Solar System Simulator   2017

- Simulates orbital mechanics using Newtonian physics
- Uses OpenGL and SDL2 to display planets and stars
- (github.com/justaddbass/SolarSim/)

ECS Maze Solving Toy Car   2014

- Freshman Engineering semester project, team of 5
- Uses Raspberry Pi, ultrasonic sensors and a Python script to navigate a maze

RTS AI Project   2010-2012

- Worked in 2 person team on Real-Time Strategy playing AI
- Created an AI that manages units and resources
- Dortmund University of Technologys Computational Intelligence and Games (CIG) 2011 Starcraft AI competitor (ls11-www.cs.tu-dortmund.de/rts-competition/starcraft-cig2011)

Skills

- Languages: C/C++, Python, Java, SQL, Erlang . . .
- Frameworks and Libraries: Flask, STL, OpenGL, SDL2, TensorFlow . . .
- Other Skills: git, gdb, Jenkins, Mantis, Linux, AWS, and Machine learning

Miscellaneous

- Fluent in English, basic understanding of French and Korean
- 10 Years competitive Fencing, previous captain of the UTD Fencing Club
- Competed in Cyber security competition with UTD's Computer Security Group
- Ask me (github.com/justaddbass) about my other projects!