

Jay Butera

Software Developer

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EXPERIENCE

Technology Startup, Austin — *Back-end software developer*

NOV 2015 - PRESENT

Developing server-side functionality in Node.js for a NoSQL/web app stack and a mobile API.

University of Texas, Scientific Computation Department — *Software Developer*

MAY 2015 - AUGUST 2015

Writing optimization modules and handling cross-platform functionality for automated kick detection software in drilling rigs.

University of Texas, J.J Pickle Research Campus — *Software Developer*

JUNE 2013 - MAY 2014

Developing top level and sub-system interface software to execute commands and handle faults in a hardware research project.

PROJECTS

Effects of Immersion on Detail Retention — *Psychological study of virtual reality environments*

Worked in a team of three on a UT Dallas funded study to observe the difference a virtual reality headset and a desktop monitor have on short and long term memory. Currently working to publicate results of the study.

Recurrent Neural Network Generation Framework — *Machine learning libraries to test novel ideas with ANNs*

Utilized an object oriented design in Java to create a testing ground for RNNs. Uses genetic algorithms for generating models. Strategies are based on the NEAT algorithm.

SKILLS

Team oriented development
Linux/Unix based operating systems
Machine Learning
Quick to learn new programming languages and paradigms

LANGUAGE PROFICIENCIES

Python, C++, C#, Java,
Node.js, Golang, Javascript,
MongoDB

EDUCATION

University of Texas at Dallas,
Richardson, TX
— Computer Science

AUGUST 2014 - PRESENT
(PROJECTED GRADUATION - 2018)