

Alexander Clines

Mathematician & Computer Scientist

Sunnyvale, CA

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EMPLOYMENT

Google, Mountain View CA— *Software Engineer*

JULY 2017 - PRESENT

Working on Natural Language Processing for the Research & Machine Intelligence division.

USAA, Plano TX— *Intern*

MAY 2016 - AUGUST 2016

Helped design new mobile app to fit business needs. Worked on native iOS & Android app development and cross-platform with Polymer.

MAY 2015 - AUGUST 2015

Helped design and implement a RESTful API backend for a mobile application that connected to a MySQL database.

Texas Tech University, Lubbock TX — *Mathematics Tutor*

AUGUST 2014 - MAY 2015

Assisted students in acquiring better understanding of basic and complex concepts in various undergraduate mathematics courses.

EDUCATION

Texas Tech University, Lubbock TX — *Mathematics B.S.*

Degree Obtained: MAY 2017

Texas Tech University, Lubbock TX — *Computer Science B.S.*

Degree Obtained: MAY 2017

RESEARCH / PROJECTS

Texas Tech University Mathematics Department

JANUARY 2016 - MAY 2016

Assisted an instructor on a multi-agent simulation engine for GPU clusters. Worked with libraries such as OpenMPI, Thrust & Boost.

- Found efficient ways to handle data transferring across multiple NVIDIA GPUs per node and multiple nodes on a cluster.
- Used advanced C++ such as template metaprogramming in addition to CUDA.

Texas Tech University Computer Science Department

JANUARY 2014 - MAY 2014

Assisted a professor in his research area of natural language processing.

- Opinion Classifier Research: Researched classification algorithms to determine which would be best suited, then presented findings.
- Opinion Classifier Application: Wrote Python scripts to apply the algorithms to data sets and collect results.

PROGRAMMING LANGUAGES

C/C++ ■■■■□

Java ■■■■□

JavaScript ■■■■□

Python ■■■■□

Bash/Shell ■■■■□

C# ■■■■□

FRAMEWORKS/PLATFORMS

Android ■■■■□

Node.JS ■■■■□

TensorFlow ■■■■□

CUDA ■■■■□

Polymer ■■■■□

MPI ■■■■□

DATABASES

MySQL ■■■■□

Firebase ■■■■□

MongoDB ■■■■□