

Sid Mangalik

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Education

Stony Brook University | Stony Brook, NY
Bachelor of Science, Computer Science

May 2018
GPA: 3.65/4.0

- Member of the select Honors Computer Science program
- Concentration in Human-Computer Interaction

Skills

Programming Languages: Object Oriented: Java, python, C, JavaScript
Markup: HTML5, CSS3, jQuery, SQL, LaTeX, JSON, XML
Other: MIPS Assembly, SML, Prolog, MATLAB, R

Operating Systems: Windows (XP-10), macOS, Linux (GUI/CLI), Android Dev

Projects

Cryptocurrency Miner: BitCoin analog using blockchain in Java, mining occurred concurrently for speed
Language Modeler: NLP Pipeline with python for generating POS tagging, PCFG parsing, and n-grams
Predator Detection: NLP Research into whether chat participants were predators with StanfordCoreNLP
LUSId Paper: Paper on NLP Research into the effects of gender on scientific writing with Mallet API
EZRoomFix: Android app using QR Codes for easy logging of issues to Dell facilities management
Commissioned Website: Minimalist and responsive website for concept artist Ray Chen
Shell: CLI that mimics UNIX terminal in C, capable of signal handling and instruction routing/piping
Jeopardy! Data Visualization: Visualized data since 1982 from the show *Jeopardy!* in d3.js
GANetflix: Analog for Netflix using SQL, JSPs, and JavaScript used to learn about good database building
Gerrymandering System: Political web tool in Java, with SQL, ReactJS, Spring Boot, and Leaflet
Instrument Recognition: Using unsupervised clustering to recognize musical instruments fourier transforms
DOTA2 Predictor: Coded multiple linear regression and perceptron comparable to an SVM in classification

Experience

Capital One, VA | Data Engineer

2016 - Present

- Working on applications using cutting-edge open source frameworks
- Pipelining data for streaming data and CICD.
- Bringing solid experience in emerging and traditional technologies
- Using Java, Apache Spark, AWS, Spring framework, Hadoop, NoSQL and SQL databases



Dell, MA | Data Science Intern

Summer 2017

- Analyzed customer's responses to Dell products using Natural Language Processing
- Performed usage and health analytics on Internet of Things platform maintained by Dell
- Implemented a Swagger specification that increased learning speed for Dell API use by 60%



Advalent Corporation, MA | Android Development Intern

Summer 2015

- Wrote the base code of an Android application to keep employees updated on the database
- Added functionality for the app to login users and then connect to a SQL backend which pinged subscribers about table updates
- Followed the Material Design guidelines specified for Android Development

