Dillon Davis

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EDUCATION

University of Illinois at Urbana-Champaign
Major | Computer Science
BS | 2015-2018 **Prospective MCS |** 2019
GPA: 3.84 **Deans List & James Scholar**

SKILLS

Proficient in Java, Python, MIPS, C, and C++

Experience with Swift/Objective-C, HTML/CSS, Javascript, Clojure and SQL

Experience with UNIX/Bash, Git, AWS, Flask, Mongo, Redis, Numpy, Pandas, MariaDB, Apache

EXPERIENCE

Cliq (May-Aug 2016)

Software Development Intern

- Primarily worked on backend development. Worked on new features using Flask, Mongo, and Redis such as intelligently suggesting friends to invite to Cliq.
- Developed an experimental web app for the Cliq mobile app that aggregated top events for users' areas Later ported the app to Swift/Objective C to be incorporated natively into Cliq.
- Participated in a 6 man, Google Ventures style sprint where we created, prototyped, and tested a new feature to incorporate our events with our core group-to-group meetup platform
- Regular use of version control Git and Amazon Web Services

PROJECTS & ACHIEVEMENTS

VirtualVoyager

- Web Application that creates a trip for users based off any query such as `tropical` or `rock climbing`
- Recommends trips based on previous trips liked by user
- Built using Flask, MariaDB(MySQL) and HTML/CSS/JS with classmates.
- Uses data from Wikipedia Data Dumps stored in MariaDB as well as Google Maps and data web scraped from Viator.com

Wikipedia Vandalism Detection

- Research project to detect fraudulent or vandalistic revisions on Wikipedia
- Helped clean data set for more effective and focused classification
- Created a Logistic Regression model with ~90% accuracy
- Helped build Random Forest model and experimented with methods of dimensionality reduction

Pico Classification Library

- Implementation of some fundamental classification algorithms
- Python: Decision Tree, Random Forest
- Clojure: Naïve Bayes, Neural Network

RELATED COURSEWORK

Introduction to Computer Science (CS125)
Discrete Structures (CS173)
Data Structures (CS225)
Computer Architecture (CS233)
Systems Programming (CS241)
Numerical Methods (CS357)
Algos and Models of Computation (CS374) (Spring 2017)
Database Systems (CS411)
Introduction to Data Mining (CS412)
Applied Machine Learning (CS 498) (Spring 2017)