

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 with Wiki data, Google Maps, & Viator

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 and helped train and improve a Random Forest.

Pico Classification Library

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

Piggy Bank (Boilermake 2017 Top 10)

- Built an augmented reality game to set and reinforce good habits by placing custom tokens at the gym or class to check in every day. If a weekly goal isn't met, a set amount is donated to a charity of your choice.
- Built backend with teammate using Node.js, Express.js, and Mongoose.js & assisted building web frontend.

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)