Dillon **Davis**

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EDUCATION

University of Illinois at Urbana-Champaign
Major | Computer Science
BS | 2015-2018
GPA: 3.86 **Deans List & James Scholar**

Barrington High School | Class of 2015 | 4.7 GPA

SKILLS

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

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

Experience with UNIX/Bash, Git, Subversion, Elastic Beanstalk, Flask, MongoDB, Redis, Numpy

EXPERIENCE

Cliq (May-Aug 2016)

Software Engineering Intern

- Primarily worked on backend development. Created and maintained data models and implemented new features using Flask, Mongo, and Redis.
- Developed an experimental web app that aggregated top events for users' areas that was used for testing in the Cliq mobile app and ported the app to Swift/Objective C to be incorporated into Cliq for regular use.
- 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
- Uses data from Wikipedia Data Dumps stored in MariaDB as well as Google Maps and data web scraped from Viator.com

Wikipedia Vandalism Detection (Fall 2016 CS412 Project)

- 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 for dimensionality reduction

ACTIVITIES

Association for Computing Machinery

Association for Data Science and Analytics (Fall 2016)

RELATED COURSEWORK

Introduction to Computer Science (CS125)
Discrete Structures (CS173)
Data Structures (CS225)
Computer Architecture (CS233)
Calculus III (MATH241)
Applied Linear Algebra (MATH415)
Systems Programming (CS241)(Fall 2016)
Database Systems (CS411)(Fall 2016)
Numerical Methods (CS357)(Fall 2016)
Introduction to Data Mining (CS412)(Fall 2016)