Harrison Maxwell Davis

www.harrisonmdavis.com

EDUCATION

Ithaca, NY   **Cornell University**   **Fall 2010- Present**

- B.S. in Computer Science with Concentration in Machine Learning, Expected May 2014
- Overall GPA: 3.08, Major GPA: 3.29

London, UK   **University of Pennsylvania**   **Summer 2012**

- Coursework: London Theatre; Documentary Writing: George Orwell and London

EMPLOYMENT

CS 3110 Course Staff   **Cornell University**   **Fall 2013- Present**

- Provide students with supplementary instruction in object-oriented programming and data structures in CS 3110: Functional Programming

Software Engineering Intern   **eBay Inc.**   **Summer 2013**

- Researched machine learned algorithm to identify and recommend unique items for the homepage feed
- Proposed and initiated research of social media interactions with the marketplace
- Independently contributed to internal Scalding repository
- Tools included NumPy, SciPy, scikit-learn, and Scalding

Computer Science Tutor   **Cornell University**   **Fall 2012- Present**

- Provide students with supplementary instruction in CS 2110: Object-Oriented Programming and CS 3110: Functional Programming

Software Engineering Intern   **Creative Mobile Technologies, LLC.**   **Winter 2011, Summer 2012**

- Designed and developed an Android application using SOAP web services to be integrated in RideLinQ program
- Assisted in redesign and deployment of corporate website

LEADERSHIP

Musical Director   **Cornell Chordials**   **Fall 2011-Present**

- Lead all aspects of the group, including auditions, rehearsals, and performances (15-20 hours per week)
- Led group to 3rd place at International Championship of A Cappella
- Produced *The Shadow Aspect*, featured on Voices Only 2013

Diversity Representative   **Chi Phi Fraternity**   **Spring 2012- Present**

- Promote equality in house to ensure brothers' emotional and physical wellbeing

Participant   **Cornell LeaderShape Institute**   **Summer 2012**

- One of forty students recommended and selected to attend institute. Developed a professional vision, explored personal strengths and weaknesses, and examined leadership strategies with peers

PROJECTS

- **Flu Predictor** (Fall 2012)**:** Twitter bot that identifies regions with a relatively high flu density using a Bayesian probability model. Python, Twitter

SKILLS /INTERESTS

- **Technical:** Python; Java; Scala; OCaml; C++; Matlab; Android; Hadoop; MapReduce; Git
- **Honors:** Engineering Global Fellow; Dwight D. Eisenhower West Point Leadership Award; Outstanding Member of the Class of 2014
- **Other Activities:** Association of Computer Science Undergraduates; Lightweight Varsity Football
- **Personal:** Spanish (Proficient); Piano; Guitar; Singing; Arranging; Football; Boating; Traveling