Jonathan Lee

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Education:

University of California, Berkeley, CA   **2016-Present**

    B.S in Electrical Engineering & Computer Science

    Regents' and Chancellor's Scholar (Top 2% of incoming class)

Science & Engineering Magnet HS, Dallas, TX   **2012-2016**

Work Experience:

Volunteer, Beijing University: Bioinformatics Lab   **July-August 2016**

    Worked with Prof. Cui Qing Hua on a study to prove the inverse relationship between genes causing AAA and Type 2 Diabetes. Analyzed and extrapolated gene expressiveness in mice.

IT Intern, Ambit Energy   **June-August 2015**

    Wrote SQL reports and performed database queries for data analysis and extraction. Also organized a system-wide data cleanup project on the company's SharePoint server.

Activities:

Member, Machine Learning @ Berkeley   **2016-Present**

Project: GitHub File Language Detection: lolzypop.com

    Collaborating with GitHub to improve Linguist, their existing repository/file language identification system. We've implemented a Linear SVC and we're experimenting with RNNs to generate nonlinear features for improved classification speeds and accuracies.

Participant, CalHacks 3.0   **2016-Present**

Project: bSafe Android Application

    In lieu of the recent outbreak in crimes around student housing at Berkeley, my team designed an app to pool students walking alone at night. Our pooling algorithm matches students based on their origin and destination – finding the minimal area between their "walking" vectors.

Awards:

- **UIL Calculator Applications State Champion (2015)**
  - Member on a team of 4 that won the Texas state championship in UIL Calculator Applications, a math/engineering problem solving competition.
- **3rd Place CreateHS International High School Website Competition (2014)**
  - Designed a student gradebook website with HTML, JS, and CSS that included pages for viewing one's schedule, grades, assignments, and GPA.
- **Silver Medal Congressional Award (US Congress) (2015)**
  - Logged 200+ hours of volunteering, 500+ hours of physical fitness, 200+ hours of personal development outside of school, and directed an expedition, in one year.

Skills & Abilities:

- Computer Languages: Java, *HTML, CSS, JavaScript*, SQL, Python, Scheme
- Programs: *Adobe Photoshop,* Microsoft Office, *Android Studio*
- Server-based: *SQL Server Management Studio,* SharePoint, PerformancePoint
- Data Analysis: *Microsoft Access, Python Data Science Libraries*

Proficient / *Working Knowledge*