JERRY CHEN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY, BERKELEY, CA **2014–2018**
Bachelor of Science, Electrical Engineering and Computer Sciences
- **GPA:** 3.90/4.00
- **Relevant Coursework:** Structure and Interpretation of Computer Programs, Data Structures, Discrete Mathematics, Multivariable and Vector Calculus

PORTLAND COMMUNITY COLLEGE, PORTLAND, OR **2013–2014**
Early College High School
- College **GPA:** 4.00/4.00
- **Relevant Coursework:** Physics with Calculus, Linear Algebra, Differential Equations
- Valedictorian, class of 2014
- National Merit Scholarship Commended Student

EXPERIENCE

CALSOL SOLAR CAR TEAM, BERKELEY, CA **2014–2015**
Team Member
- Rewired battery box and helped to debug vehicle shut-off issues.
- Assisted in executing road performance testing and speed data collection.

NATIONAL PRIMATE RESEARCH CENTER, BEAVERTON, OR **2013–2014**
Research Intern
- Performed image processing and analysis for primate retinal macular degeneration.
- Independently developed and tested an analysis procedure that performed with up to 97.6% accuracy.
- Tabulated 20 different subjects, each with hundreds of retinal images spanning a year.
- Completed more than 300 hours of lab work and presented at research symposia.

PROJECTS

CLASS PROJECTS **2015**

Gitlet
- Java application that replicates the core features of the version control system "Git".
- Serializes file history and backs up/restores to and from a remote server.

NGordNet
- Java program that extracts lexical relationships and history from a dataset of printed English text.
- Ensured fast runtime for retrieval of processed data through use of bidirectional maps and lazy computation.

NORTHWEST REGION SCIENCE FAIR PROJECTS **2010–2012**

Multicore Optimization Utilizing Parallel Processing **2012**
- Analyzed multithreading in a matrix multiplication application.
- Compared multi and single threaded speeds to approximate multithreading overhead.
- Presented at the Intel Northwest Science Expo.

Ocean Tidal Voltage Output **2011**
- Constructed a model of a tidal power generator.

Ocean Thermal Energy Conversion **2010**
- Prototyped a generator powered by water temperature difference.

SKILLS

- Proficient in Python, and Java.
- Experienced in SQLite, Scheme, and HTML/CSS.
- Fluent in Chinese, knowledgeable in Spanish.