

Grace O'Hair-Sherman

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Education

- 2014-Present **University of California, Santa Cruz** — Santa Cruz, CA
- Bachelor of Science in Computer Science expected 2018
 - Bachelor of Arts in Linguistics expected 2018
 - GPA: 3.88/4.0 Honors: Dean's Honors
 - Relevant coursework: Web Applications; Compiler Design; Analysis of Algorithms; Computer Architecture; Algorithms and Abstract Data Types; Computer Systems and Assembly Language; Introduction to Data Structures; Accelerated Introduction to Programming

Experience

- 3/2016-Present **Tutor, CodeHS** – San Francisco, CA
- Debugged student code and suggested fixes
 - Graded program submissions according to functionality and style
- Summer 2016 **Intern, PanLex** – Berkeley, CA
- Wrote Python 3.5 scripts to transform unicode from dictionaries in various natural languages for importation into the PanLex database
 - Co-created a multi-lingual game (see Projects > The Password Game)
 - Learned basic SQL to query PanLex's PostgreSQL database
 - Used WordPress to help revise PanLex's website
- Summer 2014 **Intern, Gametime United** – San Francisco, CA
- Created and edited JavaScript Object Notation (JSON) files
 - Used Git source control system to contribute to production codebase
 - Used a Bash Linux shell
 - Wrote regular expressions for data transformation

Projects

- 6/2016-8/2016 **The Password Game** – Berkeley, CA
- Multiplayer version (<https://panlex.org/game/password/>) is a Node.js server-side application using Socket.io to communicate with the browser-side JavaScript
 - All the instructions of the single-player version (goo.gl/VTxUef) are translated to language selected from among over 11,000 varieties
 - Both versions use JQuery and both query the PanLex API
- 6/2015-8/2015 **Amino Ally** – San Francisco
- iOS application shipped to the App Store, 518 downloads
 - Local Realm database storing protein information for over 3000 foods as well as user-made recipes
 - Uses Jawbone bar chart library to display amino acid information

Skills

- Programming languages: Java, Python, C++, JavaScript, Swift, Node.js, C, jQuery, HTML, CSS, LaTeX
- Software: Git, XCode, Cygwin, Sublime Text, Microsoft Office, WordPress
- Operating Systems: Linux (Ubuntu, CentOS), Windows (XP, Vista, 7, 8, 10), OS X
- Professional: Detail-oriented, fast and thorough learner, conscientious, team player, problem solver

Activities

- 10/2014-Present **Linux Users' Group, UCSC** Discussed and learned about Linux and other open-source software and hardware
- 10/2014-Present **Tabletop Games Association, UCSC** Played Dungeons & Dragons; board games

