



Academics

University of Southern California

Bachelors of Science in Computer Science, expected graduation in **May 2016**

Major GPA: 3.9, Cumulative GPA: 3.56

Dean's list - Fall 2013, Fall 2014, Spring 2015

Relevant Coursework

Data structures, Software Development, Discrete Math, Algorithms, iOS Development, Computer Architecture, Back-end Web-Dev, Operating Systems, Programming Languages, Front-end Web-Dev



Job and Volunteer Experience

Software Engineering Intern at Mahlet Consulting Inc. (6/2015 – 9/2015)

Created **Mahlet Manger**, a front-end heavy application to manage Callisto, an R&D hardware system

Used **JavaScript** and the **HTML5** canvas on the front end, used **Chart.js** for graphing

Used **Node.js**, the **Express** framework and **MySQL** database on the back-end

Used **Shell Scripting** to implement continuous data collection

Created the **Callisto API**, an interface for a third party application to interact with R&D hardware

Added extra endpoints to the Mahlet Manager back-end to extend functionality

Used **GIT** to version control and deploy software and worked in **UNIX** based environment

Sigma Phi Delta Professional Engineering Fraternity (9/2013 – present)

Elected **President** (8/2015 - present)

Arbitrator of intra-fraternal meetings, main point of contact with University, overseer of all other positions

Elected **Vice President** (1/2015 - 6/2015)

Managed a budget of \$8,000 and successfully planned and executed 5 large (50+ people) social events



Personal Projects and Skills

Website Development and Software Tools

Developed **Totally.js**, a front-end MVC framework designed for use with RESTful web interfaces

Includes a templating engine, controller and model definitions, and a file loader

Used **JavaScript**, **JSDoc** for auto-generated documentation and **Grunt** for task running

Developed and maintains **karlcd.com**, Karl Campanella-Dysart's personal website

Used **Angular.js** framework

Used **Yeoman** for project scaffolding and file generation

Developed and maintains **dysartp.com**, a website about mathematics (authored by Dr. Paul Dysart)

Used **JQuery** and **Bootstrap** libraries

iOS Development

Developed **HouseHold**, a shared reminders list based on location

Used **Objective-C**, **Apigee API** to store remote data and **core location** to geo-locate a user

Languages

Java (very proficient), C++ (proficient), C (very proficient), PHP (very proficient), JavaScript (very proficient), HTML5/CSS3 (very proficient), Objective C (proficient), Scheme (proficient), Erlang (proficient)



Hackathons

Winner of Unleash video Codefest 2012, Boston, MA

Created "helpy", a way to connect customers to representatives with video

Worked on UI (*non-technical position*)

Participant in USC/UCLA Microsoft Hackathon 2015

Developed a web application to share Youtube videos synchronously

Used Angular.js and worked on the UI (CSS3/HTML5)