

EDUCATION

University of California, Berkeley, CA (2017)**B.S. Electrical Engineering & Computer Science | GPA: 4.0****August 2014 – Present**CAA Leadership Scholar

RELEVANT COURSEWORK

Completed Coursework

Structure & Interpretation of Computer Programs

Data Structures and Advanced Programming

Discrete Math and Probability

Client Side Internet Technologies (Stanford)

Designing Informational Devices and Systems I

Expected Fall Coursework (2015)

Machine Structures

Efficient Algorithms and Intractable Problems

Introduction to Artificial Intelligence

Designing Information Devices and System II

SKILLS

Languages: Python, Java, Dart, Javascript, C, C++, C#, MySQL, Meteor**Platforms:** Android, Microsoft Kinect, Unity**Tools:** jQuery, flask, Bootstrap, OpenGL, JSON, AJAX**Others:** Polymer, Google App Engine, Git

EXPERIENCE

Google | Software Engineer Intern | Portland, OR**May 2015 – August 2015**

- Lead project to create embedding and sharing features for <https://dartpad.dartlang.org/>
- Polymer, Google App Engine, Python, Dart, Javascript, Web Development - <https://github.com/dart-lang/dart-pad>
- Conducted UX Studies, preform runtime optimization, create backend server calls, UI design
- 4x runtime improvement, 10x load-size reduction

Audience Inc. | Intern | Mountain View, CA**June 2014 – August 2014**

- Host Software and Quality Assurance – testing for hardware and software compatibility on eS704 and eS774 chips
- Development with Python, Robot, Bellagio, and the Android SDK on audio algorithms

Photo Lab | Intern | Palo Alto, CA**January 2013 – June 2013**

- Coding and implementation of a cross-platform photo sharing program developed in Objective C

Carleton College | Research Member | Northfield, MN**June 2013 – August 2013**

- Creation of navigable high-resolution 3D point cloud using a Microsoft Kinect, C++ and OpenGL libraries
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PROJECTS

MyoCar | Racing game using Myo motion sensing armband**November 2014**

- Unity-based game (C#) with Myo motion control libraries

github.com/Georgehe4/myoCar**Type Counter** | Graphic analysis of keyboard key presses**September 2014**

- Python backend using flask with plot.ly libraries | Bootstrap, jQuery frontend
- Hackjam Hackathon award winning app

prototypecount.herokuapp.com**3D Modeling – Kinect** | 3D Image Processing**January 2014**

- C++ using OpenGL to process and compute 3D environments from video

github.com/Georgehe4/KinectProject

EXTRACURRICULARS

Research – UC Berkeley – Cryptographic machine learning**August 2015 - Present**

- Applications of AI on detecting encrypted malware

Eta Kappa Nu – Engineering Honor Society | Bridge Officer**January 2015 - Present**

- Tutor students,

The Side FX - thesidefx.org | Co-founder**October 2014 – Present**

- Drug database designed to help educate and inform the youth
- Presenting at the 2015 Youth Tech Conference in San Francisco

Berkeley Scientific Journal | Research Division**October 2014 – Present**

- Review and validate submissions
- Contact professors and industry professionals for editing