Darren Lee

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EDUCATION

University of California, Berkeley *Aug 2016 – 2019 (expected)*

- Electrical Engineering and Computer Science (EECS), B.S. *GPA*: 4.0 (tech.), 3.83 (cum.)
- Awarded Regents and Chancellor's Scholarship (top 1.5% of class)
- Member of HKN (EECS Honor Society) (top 3rd of Junior standing EECS students)
- Relevant Coursework: Data Structures (CS 61B), Discrete Math & Probability Theory (CS 70), Structure & Interpretation of Computer Programs (CS 61A), Designing Information Devices & Systems (EE 16A/16B), Linear Algebra & Differential Equations (MATH 54)

Languages/Skills Java, Python, C++, SQL, HTML/CSS, JavaScript/jQuery

WORK/INTERNSHIP EXPERIENCE

BMC Software, Software Development Intern *Dec 2016 – Jan 2017*

- Built and integrated a timeline widget for BMC Innovation Studio using AngularJS
- Applied skills in software development lifecycle and product management, including Agile Methodology

De Anza College, CompTechS Intern *Apr 2016 – Jun 2016*

- Refurbished old computers to provide to low income De Anza College students
- Provided technical support by diagnosing both hardware and software problems for other students

Microsemi Corporation, Finance Intern (part-time) *Mar 2014 – Aug 2016*

- Utilized data management skills for data entry and streamlined process for emailing invoices to clients
- Earned recommendation from supervisor for problem solving skills and attention to detail

ORGANIZATIONS/AWARDS

Cal Launchpad, Project Developer *Jan 2017 – Present*

- Currently working with the Amazon AI Team to build deep learning models in MXNet for real-time object recognition and human action classification including Convolutional Neural Networks and faster R-CNN
- Implemented computer vision algorithms for real-time hand tracking using OpenCV in Python

Stanford ProCo Programming Competition *May 2016*

- Won 2nd place (out of 40+ teams) in Special Round for developing the best algorithms for a platform game

PROJECTS

Urban Dictionary Chrome Extension *Jan 2017*

- Built and released an elegant chrome extension that allows users to easily view Urban Dictionary definitions while browsing the web (link to chrome web store listing: https://goo.gl/NO7o57)
- Used JavaScript and jQuery for popup and context-menu functionality, and YQL for web scraping

Scheme Interpreter *Nov 2016*

- Created a basic Scheme interpreter in Python that uses "read-eval-print-loop" to parse and evaluate Scheme expressions and uses tail recursion to optimize for recursive procedures
- Used Scheme to create randomly generated recursive art that won 2nd place (out of 32 entries) in CS61A's Scheme Recursive Art Contest

Admoneo: Location-based Reminders (Android app) *Nov 2016*

- Worked in a team of 5 to create a location-based reminder app for Android that uses Google Maps API to send a push notification whenever the user is near a location on his to-do list; created for CalHacks 3.0

Handwritten Digit Recognizer *Jul 2016*

- Developed an algorithm to recognize handwritten digits using machine learning principles (neural networks, logistic regression) with Octave while self-studying Stanford's machine learning online course

Colorbox iPhone Game *Jul 2015*

- Designed and created an original iPhone game called ColorBox from scratch using Swift and SpriteKit