**Andrew Chen**

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**EDUCATION**

**University of Michigan – Ann Arbor** May 2017

B.S.E in Computer Science, School of Engineering

* GPA: 3.2/4.0
* Minor in Entrepreneurship

**Coursework:**

EECS 381: Advanced Object-Oriented Programming EECS 498: Introduction to Distributed Systems

EECS 482: Introduction to Operating Systems EECS 485: Web Databases and Information Systems

**EXPERIENCE**

**Suitcase, LLC** 9/2016 – Current

Application Developer

* Created top-view drag-and-drop editor in BrideVue mobile application using C#/Unity3D
* Aided development of Python AWS service to return asset models

**Enova International** 5/2016 – 8/2016

Software Engineer Intern

* Built Ruby on Rails Mock Server application to test 3rd party API calls
* Contributed 56% of story points in 3-person team

**University of Michigan School of Architecture** 9/2015 – 9/2016

Application Developer

* Generated 24 dynamic diagrams with D3.js to visualize energy conservation research
* Supported Java backend generating data points for diagrams

**The Principal Financial Group** 5/2015 – 8/2015

Software Engineer Intern

* Maintained EdgeUI, Principal’s frontend framework
* Overhauled Hours Clocking Application with 3-tier, RESTful Java/Spring app
* Led intern team to create Referral Advocate Program application using AngularJS and Firebase

**University of Michigan Transportation Research Institute** 9/2014 – 5/2015

Research Assistant, Dr. Jingwen Hu

* Implemented 3000+ lines of C++ code to morph parameterized crash models
* Produced 50+ finite element models using Mimics and Hypermesh

**ACTIVITIES**

**Michigan Climbing Club** 9/2015 – Current

President

* Expanded club membership from 343 to 774 members by forging new company partnerships, hosting more social events, and establishing an executive board
* Organized weekly carpools to climbing gym and monthly outdoor trips

**University of Michigan Men’s Glee Club** 9/2013 – 12/2016

Webmaster, ummgc.org

* Updated public PHP/MySQL website regularly for 1500 unique visitors/month
* Constructed 500+ line PHP application to automatize club-hiring email system

**SpotCheck** 9/2016 – 12/2016

spotcheck441.herokuapp.com

* Created iOS application in Swift to help users find occupancies of popular areas
* Set up Rails backend to store user occupancy ratings and Google Places API responses

**Myo Free Body Diagram Editor** 9/2016 – 12/2016

github.com/alexander-r-arnold/eecs481-myo-fbd

* Built free body diagram editor desktop application for paralyzed client using Node.js/Electron
* Gathered input using Myo Armband and Myo.js