**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**

**Capital One Financial Corporation** 9/2017 – Current

Software Engineer Associate

* Developed Dockerized microservices to migrate on-premise account creation system to AWS
* Integrated Apache Kafka as messaging system to promote event-driven architecture

**Suitcase, LLC** 9/2016 – 5/2017

Application Developer

* Created drag-and-drop wedding visualizer in BrideVue mobile application using C#/Unity3D
* Aided development of Python service running on AWS 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
* Implemented website traffic dashboard in Golang

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

Application Developer

* Generated 24 dynamic diagrams with JavaScript/D3.js to visualize energy loss
* Supported Java backend calculating energy conservation data

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

Software Engineer Intern

* Maintained EdgeUI, Principal’s custom frontend framework
* Overhauled hours reporting application with 3-tier, RESTful Java/Spring app
* Led intern team to create referral application using AngularJS and Firebase

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

Research Assistant

* Implemented simulator in C++ to morph parameterized crash models
* Produced 50+ finite element models using Mimics and Hypermesh

**ACTIVITIES**

**Michigan Climbing Club** 9/2015 – 5/2017

President

* Doubled club membership from ~50 to 100+ active members
* Forged company partnerships with Bivouac and Moosejaw
* 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 PHP application to automatize club hiring 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