

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 482: Introduction to Operating Systems
EECS 498: Introduction to Distributed 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