ALEX DU

www.alexmdu.com | alexdu@cmu.edu

EDUCATION

Carnegie Mellon University

B.S in Statistics/Machine Learning
Additional Major in Computer Science
GPA: 3.54 | Class of 2018

SKILLS

Programming

Expert: Python, HTML/CSS
Proficient: SML, Javascript, C, R
Elementary: C++, Swift

Tools

Frontend: React, Bootstrap
Backend: Flask, Django
Database: SQL, Redis
Big Data: Hadoop, Spark
Design: Sketch, Adobe Suite

COURSEWORK

10-601 Machine Learning

15-150 Functional Programming

15-210 Parallel and Sequential Data
Structures and Algorithms

15-213 Computer Systems*

15-251 Great Theoretical Ideas in CS*

INVOLVEMENT

CMU Asian Students Association
Webmaster and Financial Chair

CMU Ski and Snowboard Team
Freestyle Skier

EXPERIENCE

Cisco   San Jose, CA
Software Engineering Intern   *Summer 2016*

• Worked on machine learning efforts for WebEx's Data Analytics Platform within Apache Spark and Hadoop
• Developed query schema across Hadoop's HDFS for external data sets

Mist Systems   Cupertino, CA
Software Engineering Intern   *Summer 2015*

• Developed anomaly recognition system and accompanying testing suites for radio resource management
• Created UI elements for MIST web application

Instart Logic   Palo Alto, CA
Quality Assurance Intern   *Summer 2014*

• Tested website functionality and ran benchmarking tests
• Analyzed new software implementations and documented discrepencies

PROJECTS

GarageDrop
HackMIT 2015 Best UI/UX Design

• Web application that facilitates local peer-to-peer sales without any human interaction using Postmates
• Implemented real-time tracking of deliveries and product flagging

LikeFund
HackPrinceton 2016

• Chrome plugin to monetize facebook statuses for charity and lets users donate by "liking"
• Developed platform to manage statuses and monitor donation history

CoLab
CMU Mobile Service Innovation project

• Prototyped Sketch plugin for real-time collaborative editing
• Wrote software architecture plan and researched market competitors

SMO Arena
Fundamentals of Programming and CS (15-112) term project

• Two-player arcade shooter with custom map and character creation