

Roknich Matthew

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EDUCATION

UC SAN DIEGO

B.S. COMPUTER SCIENCE

Expected Spring 2018

GPA: 3.3

Minor in Business

Provost Honors

SKILLS

TECHNICAL SKILLS

Experienced:

java • html • css • photoshop

bootstrap • git • jira agile

Proficient:

c • c++ • javascript • nodeJS

angularJS • mongoDB

Learning:

ocaml • octave

COURSEWORK

COMPUTER SCIENCE

Software Engineering

Algorithms

Theory of Computability

Operating Systems

Functional Programming

Object Oriented Design

Data Structures

Computer Organization

BUSINESS

Business Ethics

Diversity in Teams

Principles of Global Engineering

Corporate Finance

Accounting

Marketing

HACKATHONS

2015

MHacks

SDHacks

2014

HackMIT

• Winner, Microsoft Best Use of Bing API

2013

WIC Hackathon

• Top 10 in Beginner's Competition

EXPERIENCE

VISA | SOFTWARE ENGINEERING INTERN

Summer 2016 | Foster City, CA

- Specified, designed and implemented a MEAN web application, whose deployment reduces the day-to-day workload of the internal user by week(s)
- Assisted the Chief Economist in a side project focusing on financial trend data and its impact on spending patterns

QUALCOMM | R&D SOFTWARE INTERN

Summer 2015 | San Diego, CA

- Software development for ultra low power wearable technology
- Investigated viability of porting C++ framework to a minimalistic embedded OS
- Wrote a visualization plugin for memory management tool in python

QUALCOMM | SOFTWARE ENGINEERING INTERN

Summer 2014 | San Diego, CA

- Implemented a search and cross reference tool for QCT codebase using openGrok, resulting in increased internal work efficiency
- All code was reviewed, perfected, and pushed to production

UCSD RADY SCHOOL OF MANAGEMENT | TEACHING ASSISTANT

Fall 2015 - Fall 2016 | San Diego, CA

- Business Ethics under Professor Bob Campbell
- Performance rated at 99% by over 300 students

UCSD CSE DEPARTMENT | TUTOR

Fall 2014 - Fall 2015 | San Diego, CA

- Object Oriented Design under Professor Rick Ord
- Data Structures under Professor Gary Gillespie
- Helped students understand fundamental programming concepts, graded assignments and exams, and lead discussions

PROJECTS

SOFTWARE | SPOTSWAP

MHacks Hackathon | Ann Arbor, MI

Helped design user interface for a hybrid mobile app that helps students find parking on college campuses.

HARDWARE | RASPBERRY PI, 3D-PRINTED GAMEBOY

Summer 2014 | San Diego, CA

Never had a gameboy as a kid, so I decided to build my own from scratch!

HONORS

GORDON SCHOLAR | GORDAN ENGINEERING LEADERSHIP CENTER

Fall 2016 | San Diego, CA

Identifies and celebrates talented individuals for their leadership potential.

LEARNING AWARD | SIGMA CHI FRATERNITY

Winter 2015 | San Diego, CA

Scholarship awarded to the member who best exemplifies the pursuit of higher learning and academic distinction.