Daniel Zheng

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Education

University of Pittsburgh
BS Computer Engineering
2020
Minors in Mathematics and Economics, 4.0 GPA

Qualifications

Relevant Coursework

Data Structures
Computer Organization
Digital Logic
Linear Systems and Circuits
Linear Algebra
Differential Equations
Engineering Analysis
Advanced Engineering Applications
Linguistics
Calculus 1-2
Chemistry 1-2
Physics 1-2
Microeconomics
Macroeconomics

Languages and Technologies

Python
Java
C++
MATLAB
C#
Javascript
HTML/CSS
Git
ROOT
Android Studio
Unity

Employment

European Organization for Nuclear Research (CERN)	Geneva, Switzerland
Undergraduate Researcher associated with ATLAS Collaboration	May 2017 to Aug 2017

Continuing research begun at the University of Pittsburgh, working within CERN's computing environment.

Nav Talent	Pittsburgh, PA
Associate	Apr 2017 to Current

Technical recruiting agency founded at Stanford focused on connecting top technical talent to reputable startups. As an Associate, I talk to top Pitt students and help them find excellent full-time jobs at tech startups through the Nav Talent network.

University of Pittsburgh	Pittsburgh, PA
Undergraduate Researcher	Nov 2017 to Current

Member of Dr. Tae Min Hong's particle physics research group. Working on software for the ATLAS detector at the Large Hadron Collider run by CERN. *C++/Python/ROOT*

Projects

askPitt	Mar 2017 to Current

Slack and Facebook Messenger bot that serves as a virtual assistant for Pitt Students. Answers common Pitt questions and provides convenient information about laundry, shuttles, nearest printers, and more. *API.ai, PittAPI, Python*

bankAR	Apr 2017 to Apr 2017

Augmented reality Android application that allows the user to scan a VuMark and securely login through AR to view their personal finance information. Made at DragonHacks 2017. *C#, Node.js, Unity, Vuforia, Plaid API*

SteelBeats	Feb 2017 to Mar 2017

Alexa skill that generates and raps rap lyrics from a Twitter feed. Scrapes the target user's Twitter account and constructs rhyming raps that have rhythm and reflect the interests found in the tweets. Made at TartanHacks 2017. *Python, Selenium, Node.js, AWS Lambda*

Diagnose Me	Jan 2017 to Feb 2017

Alexa skill that can send an emergency text, give dosage information for O.T.C. medication, and perform preliminary diagnosis given symptoms. Made at Pitt Challenge 2017. *Node.js, AWS Lambda, Twilio API*

Awards

University of Pittsburgh Mobile App Challenge · **1st Place**
First prize in Code-It division of the university-wide app challenge. Project: *askPitt*

DragonHacks · **Best Financial Hack**
Won SEI's prize for Best Financial Hack at DragonHacks 2017 at Drexel University. Project: *bankAR*

University of Pittsburgh Swanson School of Engineering · **Research Fellowship**
Received funding from the Swanson School to conduct research abroad at CERN during Summer 2017.

Pitt Challenge · **1st Place**
First prize winner of the Pitt Challenge, University of Pittsburgh's healthcare hackathon. Project: *Diagnose Me*

University of Pittsburgh · **Full Tuition Scholarship**
Scholarship covering four years of tuition at the University of Pittsburgh.

Merck & Co. · **James J. Kerrigan Scholar**
One of 40 scholarship recipients nationwide. One of 10 to receive four-year scholarship.

Activities

Computer Science Club · *Business Manager*	Current

Duties include managing club resources, communicating with sponsors, and general club leadership.

Robotics and Automation Society · *Member and Sumo Bot Competition Chair*
Contributing to various robotics projects and planning sumo bot competition for Spring 2018.

Pitt Challenge · *Organizer*	Current

Organizing University of Pittsburgh's healthcare hackathon.