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DANIEL ZHENG

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EDUCATION

Pittsburgh, PA	University of Pittsburgh	May 2020 (Expected)

- Bachelor of Science in Computer Engineering, minors in Mathematics and Economics. Cumulative GPA: 4.0

Relevant Coursework

- *Ongoing*: Data Structures, Computer Organization and Assembly Language, Linear Systems and Circuits, Digital Logic, Linguistics, Advanced Engineering Applications for Freshmen, Machine Learning by Andrew Ng (Coursera)
- *Completed*: Linear Algebra, Differential Equations, Honors Engineering Analysis, Physics 2, Principles of Scientific Reasoning

WORK EXPERIENCE

Associate	NavTalent	April 2017-Present

Pittsburgh, PA

- 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 NavTalent network.

Undergraduate Research Assistant	University of Pittsburgh	January 2017-Present

Pittsburgh, PA

- 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*

Director's Assistant	NJ Workshop for the Arts	Summer 2014 and 2015

Westfield, NJ

- Took inventories of, cleaned, and tuned instruments and performed various clerical tasks (filing, photocopying).

ACTIVITIES

Selected Projects

- **askPitt**-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**-Created an Android application built for use with Google Cardboard. Allows the user to scan a VuMark and securely login through AR to view their personal finance information. Made at DragonHacks 2017. *Plaid API, Unity, Vuforia, C#, HTML/CSS, JavaScript*
- **SteelBeats**-Amazon Alexa skill that generates and raps rap lyrics from a Twitter feed. Scrapes the target user's Twitter account, constructs a Markov model, and combines that with a "Dope Learning"-derived model to create 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**-Amazon Alexa skill that can send an emergency text message, give dosage information for O.T.C. medication, and perform preliminary medical diagnosis given symptoms. Made at Pitt Challenge 2017. *Node.js, AWS Lambda*

Open Source

- **PittAPI**-Contributed to development of an API for Pitt. Created people and textbook APIs and documentation. *Python*
- **askPitt**-Described above. Will be an open source CS club project for the 2017-18 school year.

Organizations

- **Computer Science Club**-Business Manager. Duties include managing club resources, communicating with sponsors, and general club leadership.
- **Robotics and Automation Society**-Worked on sumo robot.

AWARDS

- **Pitt Mobile App Challenge 1st Place** (2017): First prize in Code-It division of the university-wide app challenge. Project: *askPitt*
- **DragonHacks 2017-Best Financial Hack** (2017): Won SEI's financial hack prize with a team of 2. Project: *bankAR.*
- **Swanson School of Engineering Summer Research Fellowship** (2017): Received funding from the Swanson School to conduct research abroad at CERN during Summer 2017.
- **Pitt Challenge 1st Place** (2017): Won Pitt's healthcare hackathon with a team of 4. Project: *Diagnose Me.*
- **Merck James J. Kerrigan Scholar** (2016)**:** One of 10/40 recipients nationwide to receive four-year scholarship.
- **National AP Scholar** (2016): Averaged score of 4 or higher on at least 8 AP Exams. Scored 5/5 on all AP Exams.
- **Presidential Scholar Candidate** (2016): U.S. Presidential Scholars Program, U.S. Department of Education.
- **Pitt Full-Tuition Scholarship** (2016): Scholarship covering four years of tuition at the University of Pittsburgh.

LANGUAGES AND TECHNOLOGIES

Java|C++|Python|MATLAB|Office|Windows|Linux
HTML|CSS|Javascript|Git|Visual Studio|Android Studio|ROOT