

Ali de Jong

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Home: 919 Knott Pl. Dallas, TX 75208

School: 2818 San Pedro Unit B Austin, TX 78705

Education

Electrical and Computer Engineering, University of Texas at Austin, 2014 - May 2018, 3.61 GPA

- Current Relevant Coursework includes Java Software Development and Probability

National Merit Scholar- 2014

Experience

Precocity - Tech Consulting Intern - Summer 2016

- Analyzed customer identification data for a national retail chain using Scala for Apache Spark, re-structured graph in order to reduce size from 2TB to 11GB, community detection using Python, R, and Scala
- Developed a RESTful API-driven application for an international tax and technology firm using Java, Spring, and Angular following Domain Driven Design principals

Qualcomm - Software Intern - Summer 2015

- Wrote a test FTP client using socket programming in C to test data transfers from modem to server or application processor
- Optimized a diagnostics software in C by multithreading
- Wrote a Python script to convert diagnostics data output into readable HTML report

Operating Systems - 2016

- Self-taught, following UC Berkeley's Operating Systems lectures
- Implemented priority scheduling in C using the Pintos framework

Pantomime- 2016

- Wrote a machine learning python program using Tensorflow to train and recognize hand position data from a Leap Motion sensor
- Part of a developer tool to allow users to create hand position models easily

Low-key Lock - 2015

- Wrote a multithreaded Python program running on a Raspberry Pi
- Controlled a servo connected to the deadbolt and made http requests
- Part of a security system using facial recognition and iOS fingerprint authentication
- Received 2nd place at Code Red Liftoff Hackathon

Skills

Programing Experience

- Proficient in C/C++, Python, and Java
- Experience with socket programming, multithreading, and data analysis

Management Skills

- Familiar with Agile software development team practices using Scrum

Proficient in Mandarin Chinese

- Six years of classroom experience and conversational immersion in Shanghai and Beijing

Leadership

HackTX Logistics Director - 2016

- Worked with a team to put on UT's student run hackathons
- Organizing venue, wi-fi, food, and volunteers for a 30+ hour coding competition event

UT Office of Admissions - Student Ambassador - 2015 - current

- Leading tours of prospective students, families, and visiting groups
- Representing the university at large events, student panels, and daily office interactions

Institute of Electrical and Electronic Engineers Officer - 2015 -2016

- Treasurer of the UT student branch of IEEE
- Managing budget, handling expense reports, offering support in planning and purchasing

Texas Spirits Royal Spirit Haunt- 2016

- Maintain the organization's social media presence on Instagram, Facebook, and a Blog
- Organize weekly window painting by managing supplies and tracking attendees