Jerry Pan

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EDUCATION

DUKE UNIVERSITY
BS in Computer Science
Expected May 2014 | Durham, NC
Cum. GPA: 3.895 / 4.000

COURSEWORK

GRADUATE
Computer Vision
Artificial Intelligence
Information Theory
Applied Stochastic Process

UNDERGRADUATE
Design + Analysis of Algorithms
Data Structures + Algorithms
Database Systems
Intro to Artificial Intelligence
Mobile Software Design
Adaptive Web Development
Computer Architecture

SKILLS

PROGRAMMING
Experienced
Java (Android) • Python • HTML • CSS
Javascript (MEAN Stack) • MySQL
Familiar:
PHP • C • R • MIPS Assembly • MATLAB

AWARDS

ACADEMIC
- Dean's List (Spring 2017, Spring 2016)
- Dean's List w Distinction (Fall 2015)

COMPETITIONS
- Duke Men's Basketball Hackathon: 2nd Place (Spring 2017)
- Hack Duke: Best Use of Microsoft API (Fall 2016)
- Moody's Mega Math Challenge: Honorable Mentions (Spring 2015)

EXPERIENCE

CISCO | Software Engineering Intern
June 2017 – Aug 2017 | Cary, NC
- Developed a web application using the MEAN stack used to configure a new advanced service product to manage and check application status of Cisco applications.

FUQUA BUSINESS SCHOOL | Research Assistant
Nov 2016 – May 2017 | Durham, NC
- Built different regression models to analyze 2016 NC election results.
- Scraped and parsed election data from the North Carolina election results website using Python.

DATA+ | Data Science Research
May 2016 – July 2016 | Durham, NC
- Worked in a team of three on predicting waits times at Disney park rides using an autoregressive model on historical wait time and categorical data.
- Parsed and stored wait time data from Disney using Node.js
- Processed raw data and created model visualizations using R.

PROJECTS

VR DATA VISUALIZATION | Duke Men's Basketball Hackathon
April 2017 | Durham, NC
Built a 3D visualization website to display basketball player statistics using three.js. Worked on scraping data, adding queries by player stats, and debugging visualizations.

SMART RECYCLER | Hack Duke
November 2016 | Durham, NC
Built a robot to sort trash and recycling using Microsoft's computer vision API with two team members. Worked on object detection and image processing using the OpenCV package in Python.

DUKE TEXTBOOK EXCHANGE | Duke Textbook Exchange
Sep 2015 – Dec 2015 | Durham, NC
Developed a responsive website for textbook sale and exchange with two team members. Worked on the backend using PHP for features like managing user sessions and MySQL database queries.

ACTIVITIES

DUKE IEEE | Webmaster
October 2015 - Present | Durham, NC
- Designed a new website using the bootstrap template to increase online presence.
- Worked on various projects like word clock and automatic door opener.

DUKE LEAGUE OF LEGENDS CLUB | President
Mar 2016 – May 2016 | Durham, NC
- Co-founded the organization, which revolve around the popular video game League of Legends.
- Organized and hosted gatherings and tournaments at Duke.