Junan Qu

Education

2017-08 - present

Cornell University, Ithaca, NY
- B.S. Computer and Information Science 2021 · GPA 3.8
- Dean's List - SP 2019

2013-08 - 2017-06

St. Anne's Belfield School, Charlottesville, VA
- Diploma with Honors · GPA 4.0
- College Book Award - SP 2016

Experience

2019-05 - 2019-08

Software Development Engineer Intern
Amazon Web Services
- Incoming SDE Intern at Seattle office

2018-12 - present

Web Developer
Big Red Hacks
- Work with other team members to plan and implement essential functionality and software for our website
- Support hackers and event logistics by resolving any critical website errors
- Develop the platform with React, PostgreSQL, Node.js, and Express

2018-08 - present

Teaching Assistant
Cornell University, Information Science Department
- INFO 1300 - Fall 2018
- INFO 2300 - Spring 2019
- Lead a lab section of around 30 students
- Help students understand concepts of JavaScript, HTML, PHP
- Grade assignments and answer questions on Piazza

2018-05 - 2018-12

Undergraduate Research Assistant
Cornell's People-Aware Computing Laboratory (Director: Dr. Tanzeem Choudhury)
Project - Speeding-Intervention through Peripheral Optical Illusion
- Developed an iOS App in Swift4, integrating Mapbox SDK API, that detected driver/vehicle's maneuver
- Developed 4 study-cases on 3 platforms including Oculus VR, iOS, and Watch OS to study effectiveness of visual and tactical perception on users' perception.
- Developed a speedometer using GPS Core Location, and successfully incorporated it into study-cases, which enable adaptive animation

2018-03 - 2018-09

Undergraduate Research Assistant
Cornell's Social Dynamic's Laboratory (Director: Dr. Michael Macy)
Project - Policy Lab funded by NSF
- Developed a website for experimental research using a "multiple worlds" design in PHP, HTML5, and CSS that is linked to a MySQL database and Amazon Mechanical Turk, and tested it with a bot via Selenium
- Deployed the medium-traffic website via EC2 & RDS of AWS, that will potentially collect 10,000+ rows of data
- Implemented 6 study-cases to test out the databases that would work the most efficiently along with PHP, including PostgreSQL, MySQL and SQLite

2018-01 - 2018-05

Chapter Secretary
Phi Delta Theta Fraternity
- Cornell delegate representing New York Alpha Chapter at the 2018 Kleberg National Conference

Personal Info

Phone
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E-mail
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GitHub
https://junanqu.github.io

LinkedIn
https://www.linkedin.com/in/junan-qu/

Skills

Java

PHP

Python

JavaScript & D3

Static Web Dev (HTML5, CSS3)

Well-versed Database Management (PSQL, MySQL, SQLite)

VR/3D/2D Game Design (Unity)

Swift 4

Software

Database Management (pgAdmin, DB Browser, Postgres, MySQL WorkBench)

Code Editor (IntelliJ, Eclipse, Atom, Xcode, VS Code)

Amazon Web Services (EC2, Elastic Beanstalk, RDS, S3)

Adobe Photoshop & Lightroom

Courses

Functional Programming & Data Structure

Obj-Oriented Programming & Data Structure

Machine Learning for Intelligent Systems

Natural Language Processing

Data-Driven Web Application

Intro to Data Science