Peter Wang

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Education

August 2015 - May 2019 (expected)

University of Maryland College Park

- B.S. Computer Engineering
- Banneker/Key Full Scholarship
- QUEST (Quality Enhancement Systems and Teams) Honors Program
- Honors College - University Honors
- GPA: 3.91

Relevant Coursework

MATH341 - Multivariable, Diff Eq, Linear Algebra
CMSC132 - Object Oriented Programming
CMSC216 - Introduction to Computer Systems
CMSC250 - Discrete Structures
DEV208x - Intro to jQuery (EdX)
ENEE222 - Discrete Signal Analysis
ENEE244 - Digital Logic Design
BMGT190H - Introduction to Design and Quality

Skills

Languages: Python, Java, C, C++, Javascript, MatLab, LaTeX

Frameworks: Django, JQuery, Bootstrap

Backend: SQL

Frontend: HTML, CSS

Activities

- UMD Club Swim - Captain
- QUESTDev - Software Developer
- Deloitte National Business Case Competition 2016 - 2nd Place
- NewDay USA Business Case Competition 2016 - 2nd Place

Hobbies

Swimming, Water Polo, Chess

Technical Experience

May 2016 - September 2016

Physical Measurement Laboratory, NIST - *Software Developer*
Gaithersburg, MD

- Used Python to create a turn-key system for completely automated precision mass calibration, saving up to 8 hours a day
- Fully integrated MySQL database into a user friendly GUI using PyQT and communicated with balances and environmental instruments through serial ports

December 2015 - Present

Consult Your Community, UMD - *Vice President of Internal Affairs*
College Park, MD

- Provide pro bono consulting and analytics to local companies and organizations
- Spring 2015 - Consulted for Yaatra Ventures, a D.C.-based startup interested in energy industry in sub-Saharan Africa.
- Fall 2015 - Consulting for START, a UMD-led organization that hosts the world's largest terrorism database

May 2014 - August 2014

Mechanical Engineering Dept, UMD - *Paid Research Intern*
College Park, MD

- Coded in MatLab to create dynamic model of unmanned aerial vehicle to aid NAVAIR to verify safety of UAVs to FAA standards. Worked with 4 colleagues to create a program to minimize time, distance traveled, and risk to civilians on a drone flight
- Presented research defense to senior members at NAVAIR

Projects

November 2016

Audio Visualizer - *atomaudioviz.herokuapp.com*

- Javascript powered web app providing a unique way to visualize music in an interactive, 3D environment
- Used three.js for animation and visualization of the FFTs of user uploaded file or SoundCloud link (using SoundCloud API)

October 2016

LeagueRec

- Web app powered by Django that gave users champion recommendations for the popular game League of Legends
- Used dynamic web-pages and machine learning to generate personalized recommendation pages based on data from the Riot API