Saadiq A. Jones

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Technical Skills

Programming Languages	Databases	Tools	Frameworks/Libraries
Java	MySQL	Git	Node.js
Python	MongoDB	GitHub	Express.js
C/C++	PostgreSQL	Docker	Django
Html5/CSS3	Firebase	OpenCV	React.js
JavaScript ES6	AWS	GIS	ASP.NET
C#		VIM	Flask
Visual Basic		Ubuntu	React Native
MIPS Assembly		ROS	Tensorflow
R			Keras
Bootstrap			

Projects

Chemical Drug Modeling Software **2018 – Present**
- Devised a program to simulate interactions between complex drugs using templates of chemical elements
- Currently introducing Python ML libraries to develop and utilize predictive models for the simulation
- Technology Utilized: React.js, Python, Django, PostgreSQL

Budgeting / Finance Alert Portal **2019 – Present**
- Designed Financial Portal to track budgets, monitor credit score refresh times and alert users of insufficient funds
- Currently attempting to add a stock analyzer and trade algorithm
- Technology Utilized: Bootstrap, C#, ASP.NET MVC 5, SQL server with Entity Framework

Satellite Prospecting Modeling Software **2019 – Present**
- Developed model for surveying map grids to designate probable archaeological dig sites
- Currently adapting predictive model to automate prospecting survey
- Technology Utilized: React.js, Python, Flask, GIS, MySQL

Soup'er **2019 – Present**
- Manufactured application to connect communities affected by the Coronavirus pandemic to local food pantries
- Adapted personal project to be properly scaled for volunteered community usage by the Pittsburgh JFCS
- Technology Utilized: React Native, Express.js, Node.js, MongoDB, JavaScript ES6

Pitt Robotics & Automation Society **2020 – Present**
- Collaborated with Perception-Localization team to define 3D bounding boxes for data augmentation in Indy Autonomous Challenge using ANSYS Driving Simulator and Ansys SCADE
- Currently attempting to utilize lidar point clusters for Computer Vision
- Technology Utilized: ROS, OpenCV, Docker, C++, Python, Ubuntu

Tax Deduction & Write Off Monitor **2020 – Present**
- Constructed program that calculates tax deductions & write offs and automatically applies it to tax return software
- Personal project that utilized machine learning tools to calculate deductions, currently refining models
- Technology Utilized: Keras, Tensorflow, Flask, Python, React.js

Work Experience

University of Pittsburgh – GeoPacha Satellite Imagery Prospecting Intern **2020 – Present**
- Surveyed stratified map grids for potential archaeological dig sites and assessed locus point confidence levels
- Crafted directed research paper on results from GeoPacha survey focusing on distribution of Andean Pukaras

University of Pittsburgh – Undergraduate Teaching Assistant **2020 – Present**
- Assisted Professor with class preparation and lead review sessions for students outside of class time.
- Generated Lab questions for students to assess retention of information taught in lecture
- Taught recitation section for CMPINF 401: Intermediate Programming in Java

UPMC Shadyside Hospital – Food Service Attendant **2018 – Present**
- Inventoried all hospital pantry supplies, prepared and delivered meals to patient rooms

Shannopin Country Club – Dishwasher and Prep Cook **2018 – 2020**
- Undertook basic cooking duties, maintained kitchen through sanitizing surfaces, and garbage disposal

Education

University of Pittsburgh: Dietrich School of Arts and Sciences **Major GPA - 3.14**
Bachelor of Science: Computer Science and Physical Anthropology **Graduation 2021**
Extracurriculars: University of Pittsburgh Varsity Marching Band – Drumline Base Squad Leader, Pitt Robotics & Automation Society – Member, Pitt Computer Science Club – Member
Relevant Coursework: Data Structures, Discrete Structures for Computer Science, Algorithm Implementation