Mary Vo

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EDUCATION & CERTIFICATIONS

B.A., Computer Science & Psychology
December 2018
University of Pittsburgh, Pittsburgh, PA

Certification in Customer Service & Sales
National Retail Federation (NRF)

CPR/First Aid/AED Certified

ACTIVITIES & INTERESTS

Society of Asian Scientists & Engineers (SASE)
Vice President, Membership Logistics

Pitt's Computer Science Club (CSC)

Pitt's Women in Computer Science (WiCS)

RELATED COURSES & SKILLS

Data Structures

Algorithm Implementations

Discrete Structures for Computer Science

Formal Methods in Computer Science

Computer Organization & Assembly Language

Introduction to Systems Software

Introduction to Operating Systems

Software Quality Assurance

Interface Design Methodology

Git/GitHub	●●●●○	Javascript	●●●○○
Java	●●●●○	Flask	●●●○○
Python	●●●○○	Assembly	●●●○○
C/C++	●●●○○	SQL	●●○○○
HTML/CSS	●●●○○	Ruby	●●○○○

Operating Systems
Windows, Mac, Linux/Unix

Software & Applications
Android Studio, Adobe Creative Suites

PROJECTS

PlanMyMeals Android App
Grocery list application with a built-in meal planner and combined ingredients list
▸ Implemented lo-fi prototyping during the iterative design process
▸ Integrated functionality and UX within Android Studio for viability in Google Play's app store

So You Think You Can Cater!
Website to help manage a catering company
▸ Used web-based UI to manage 3 classes of users (owner, staff, customers) using Pything 3, Flask, SQLAlchemy, and Flask-SQLAlchemy extension through asynchronous programming

You Sunk My Battleship!
JavaScript implentation of the classic Battleship game
▸ Collected and manipulated data to respond to user interactions to dynamically change the DOM
▸ Used regex functions to validate input strings

Professor Wumpus Test Plan
A test plan for a Java program given to identify test cases through black-box testing
▸ Produced test cases for the requirements of the program before test runs
▸ Collected and identified defects

Digital Signatures
Generated digital keys
▸ Fingerprinting identities by building 512-bit RSA key pairs
▸ Generated and verified digital signatures using SHA-256 hash

UsedCarDeals
Menu-based UI to help users collect the best used vehicle to purchase based on its value
▸ Implementation of priority queue-based data structure for the two most common attributes, i.e. price and mileage, in consumer purchasing behavior according to Nielsen ratings

WORK EXPERIENCE

Instructor
iD Tech Camps
Bethlehem, PA (June 2017 - August 2017)
▸ Instructed individuals to learn fundamental concepts of programming through languages such as Java, Aseembly, C++, and Python
▸ Introduced and promoted code health

Administrative and Office Assistant
Child and Adolescent Bipolar Services (CABS) - UPMC
Pittsburgh, PA (September 2014 - current)
▸ Scaling patient charts for clinicians
▸ Monitoring log transfers and archiving data for indexing into a catalog