JOHANNA SMITH-PALLISER

CONTACT

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ACTIVITIES

Hyperloop Project Team
Web Development Lead

BigRed//Hacks
Director of Sponsorship

CUEmpower
Mentor

Underrepresented Minorities in Computing

NACME Scholar

COURSEWORK

Object Oriented Programming

Data Structures

Functional Programming

Information Retrieval

Digital Logic & Computer Organization

Intro iOS Development

Intermediate Design & Programming for Web

Embedded Systems

SKILLS

Python, Objective-C, Swift, Java, PHP, HTML, CSS, SQL, Javascript, C, MATLAB

Github, Xcode, Atom, Heroku, MS Office

Native Spanish speaker

EDUCATION

Cornell University – B.S. Computer Science, GPA: 2.977	2019
Miami Dade College – A.A. Computer Science, GPA: 3.98	2015
School for Advanced Studies – HS Diploma, GPA: 7.307	2015

PROJECTS

Chef's Choice
- Using information retrieval, recommends recipes based on user's self-reported mood alongside optional fields such as diet, cuisine, meal type, ingredients
- Developed for web with Python, PHP, HTML, and CSS, using the Spoonacular API and a backend database to maintain training set of recipes

SmartBasket – 2nd Place, Walmart Brick & Code 2.0 Hackathon
- iOS application to allow Walmart shoppers to participate in "shop sharing"
- Allows both shopper and seller to save on shipping costs by grouping orders in one box, increasing shopper return rates and sales

EXPERIENCE

Twitter   Summer 2018
Software Engineering Intern – iOS
- Optimized fullscreen video ads using a native iOS video player implementation for the MoPub SDK with functionality for metrics tracking and VAST XML parsing
- Improved load time by up to 5 seconds per ad, affecting $2.1M of MoPub revenue
- Utilized Objective-C, Swift, Model-View-ViewModel architecture, and Twitter iOS style guide

Teaching Assistant   Spring 2018
CS 2300 – Intermediate Design & Programming for Web
- Explained technical concepts – frontend development, database construction, user interactivity – and design principles to 30+ students in an intermediate level course
- Provided personalized support for students through weekly office hours, both in groups and one-on-one
- Evaluated projects and provided feedback to strengthen students' skills in PHP, SQL, AJAX, Javascript, HTML, CSS

GE Aviation   Summer 2017
Digital Technology Leadership Program Intern – Brilliant Factory
- Collaborated with multiple team leads as project coordinator for an electronic records management initiative for Maintenance, Repair, and Overhaul shops reducing processing time by 30-50% and producing $600K in annual savings
- Debugged and led data ingestion efforts and streamlined reporting process for insights on shop labor hours through a dashboard displaying metrics and trends, saving $500K per site
- Utilized Agile methodology to manage the development process for each project

CodeKids Camp   Summer 2016
Instructor
- Taught students ages 7-13 the fundamental lessons of computer science, programming, and robotics
- Challenged, engaged, served, and communicated with students to encourage their participation and learning while maintaining mutual respect and value