

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
Algorithm Design
Functional Programming
Digital Logic & Computer
Organization
Information Retrieval
Crowdsourcing & Human
Computation
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: 3.063 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