JOHANNA SMITH-PALLISER

CONTACT

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SKILLS

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

Git, d3.js, Xcode, AWS, Splunk, Jupyter Notebook, Heroku, MS Office

Native Spanish speaker, Agile

COURSEWORK

Object Oriented Programming

Data Structures

Algorithm Design

Functional Programming

iOS Development

Artificial Intelligence

Data-Driven Web Apps

Information Retrieval

Crowdsourcing & Human Computation

AWARDS

GEM Fellow

NACME Scholar

Dean's List

ACTIVITIES

Hyperloop Project Team
Web Development Lead

BigRed//Hacks
Director of Sponsorship

Underrepresented Minorities in Computing
Mentor

EDUCATION

May 2020
Cornell University
M.Eng. Computer Science

May 2019
Cornell University
B.S. Computer Science
GPA: 3.126

May 2015
Miami Dade College
Associate of Arts
GPA: 3.98

EXPERIENCE

Adobe — Summer 2019

Software Engineering Intern – Lightroom Creative Cloud

Twitter — Summer 2018

Software Engineering Intern – iOS

- Implemented native iOS video player for optimization of fullscreen video ads 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 — 2018-2019

Introductory/Intermediate Design & Programming for Web (CS 1300, CS 2300)

- Explained technical concepts – frontend development, database construction, user interactivity – and design principles to 30+ students as instructor of a Lab section
- 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 HTML, CSS, Javascript, PHP, SQL, AJAX

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

PROJECTS

Career Queue

- Implemented full-stack iOS application in Swift, creating frontend views through user-centered design processes in collaboration with our client and using a RESTful API to make calls to Python backend
- Wrote technical documentation to ensure complete specification of functionality and smooth handover to future developers

Chef's Choice

- Built information retrieval system to recommend 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