

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

AWARDS

GEM Fellow
NACME Scholar
Dean's List

COURSEWORK

Object Oriented
Programming
Data Structures
Algorithm Design
Functional Programming
iOS Development
Artificial Intelligence
Data-Driven Web Apps
Information Retrieval
Crowdsourcing & Human
Computation

SKILLS

Python, Swift, Javascript,
Objective-C, Java, HTML,
CSS, PHP, SQL, C, MATLAB
GitHub, d3.js, Xcode,
Jupyter Notebook, VS
Code, Heroku, MS Office
Native Spanish speaker

EDUCATION

Cornell University – M.Eng. Computer Science May 2020
Cornell University – B.S. Computer Science, GPA: 3.126 May 2019
Miami Dade College – A.A. Computer Science, GPA: 3.98 May 2015

PROJECTS

Career Queue

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

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

EXPERIENCE

Adobe Summer 2019
Software Engineering Intern – Lightroom Creative Cloud

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
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 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