# 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, JIRA, 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

National GEM Consortium Full 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 | May 2019 | May 2015 |
|---|---|---|
| Cornell University | Cornell University | Miami Dade College |
| M.Eng. Computer Science | B.S. Computer Science | Associate of Arts |
| | GPA: 3.126 | GPA: 3.98 |

## EXPERIENCE

**Adobe** | Software Engineering Intern                                    Summer 2019
- Developed comprehensive test suite to effectively test critical microservice of Adobe Lightroom responsible for all image processing needs
- Streamlined deployment process for Lightroom Creative Cloud teams by 20 seconds per test case on average, increasing team productivity
- Created component & coverage tests in Ruby following test-driven development practices and ensured proper integration through end-to-end testing

**Twitter** | Software Engineering Intern – iOS                              Summer 2018
- 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-Controller architecture, and Twitter iOS style guide

**Cornell University** | Teaching Assistant                                    2018-2019
- 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** | Digital Technology Leadership Program Intern              Summer 2017
- 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

## 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