

# JOHANNA SMITH-PALLISER

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## 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

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 | 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-ViewModel 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
- 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