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ANGIE PINILLA

PASSIONATE ABOUT OPEN-SOURCE AND SERVERLESS TOOLS
STRONG ADAPTATIONAL SKILLS IN NEW SOFTWARE DEVELOPMENT STACKS

EDUCATION & DIPLOMAS

CORNELL UNIVERSITY

MASTER'S OF ENGINEERING DEGREE IN COMPUTER SCIENCE (M.ENG.)

MASTER'S PROJECTS: MODELING SOCIAL COHESION UNDER POPULATION MOBILITY (SPRING 2017)
ROBOT FOR NONVERBAL COMMUNICATION RESEARCH (FALL 2016)

CONFERRED MAY 2017

JOHNS HOPKINS UNIVERSITY

BACHELOR OF ARTS (B.A.)
PSYCHOLOGY

CONFERRED MAY 2014

WORK EXPERIENCE

SOFTWARE DEVELOPER - BACKEND

RUBY/RAILS • GRAPHQL • DATA ENGINEERING • DEVOPS

Developed and launched first DevOps initiative to build CI pipelines for AWS infrastructure with Terraform and Ansible

Developed a Big Data initiative for user-targeting with GCP services including Pub/Sub, Cloud Functions, Dataflows, and BigQuery

Dockerized and refactored a PHP reporting and dashboard application to use GraphQL with MySQL, Postgres, and BigQuery data sources

Designed and implemented first live campaign monitoring Slack application using Ruby and background job deployment to an EB worker

Designed an ETL solution for porting reporting data housed in MySQL to BigQuery using tools including Glue to provide ad-hoc querying

Company: Jun Group • **Location:** New York, NY • **Period:** January 2018 - Present

CIVIC DIGITAL FELLOW

PYTHON DEVELOPMENT • SURVEY DATA ANALYSIS & VISUALIZATION

Wrote a Python library to analyze complex survey samples as an alternative to R's survey package via the high-level interface, rpy2

Developed an automated data analysis suite to compare Privacy-Sensitive datasets with Formally Private Synthetic microdata

Developed a PyQt5 GUI to report and visualize statistical similarity and difference metrics for the American Community Survey (ACS)

Conducted user interviews and research with Mathematical Statisticians and Disclosure Avoidance Officers

Company: U.S. Census Bureau - Center for Disclosure Avoidance Research • **Location:** Suitland, MD • **Period:** Summer 2017

SOFTWARE ENGINEERING INTERN

UI DESIGN • AGILE J2EE WEB DEVELOPMENT • iOS DEVELOPMENT

Reviewed and expanded JUnit test coverage related to core extraction classes within FetchNews platform

Debugged extraction corner cases including classification algorithms' processing of dynamic content and Spanish language

Maintained and managed task-based Product Development schedule of FetchNews, providing benchmark and optimization analysis

Company: Connotate Inc. • **Location:** New Brunswick, NJ • **Period:** Summer 2016

APPLICATION DEVELOPMENT INTERN

JAVA DEVELOPMENT • UNIT TESTING • PROJECT MANAGEMENT

Designed and rapidly prototyped new UI features for an Integrated Eligibility Web Portal

Developed and deployed database integration and management with Hibernate to handle assigned agile user stories

Lead iOS programmer behind an Innovation Project Team tasked to develop an application to track and motivate healthy living

Company: UnitedHealth Group / Optum Tech. • **Location:** Basking Ridge, NJ • **Period:** Summer 2015