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Felicia O'Garro

SKILLS OVERVIEW

Software Engineer and Web Development Instructor with production experience building web and desktop applications for Fortune 500 companies and venture-backed startups.

Technologies: JavaScript, Python, React, Node.js, Express, PostgreSQL, Sequelize, HTML5 and CSS3

ENGINEERING EXPERIENCE

Logic + Art, New York, NY — *Software Engineer*

NOVEMBER 2018 - PRESENT

- **Projects completed:** Online personal styling application that allows users to connect with stylists and purchase recommended clothing from retailers, online virtual events platform that allows users to communicate with each other and setup events based on threads, online food discovery recommender that generates new tags based on previous food selections and current selections
- **Technologies used:** React, Node.js, PostgreSQL, Python, Pandas, Scikit Learn, Spacy, Tensorflow, Numpy, Flask and Matplotlib
- Lead consulting architect managing web development and data science client projects
- Work with clients to create web and mobile application architecture proposals and development plans
- Hired and led a team of developers while building a React and Node.js ecommerce application complete with payments, user authentication flows and social interactions
- Designed database schemas and architected backend service contracts for web and mobile applications
- Developed a machine learning model that generates tags when given a data set consisting of word vectors using text generation and recommendation engine techniques
- In charge of recommending and selecting key technologies to use to deliver projects
- Helped a Food Discovery startup's application development team enhance their database schema, which resulted in the speed up query times

Recurse Center, New York, NY — *Software Engineer*

AUGUST 2020 - NOVEMBER 2020

- **Projects completed:** Covid-19 Sentiment Analysis tool, Fashion GAN and Alexa Affirmation Skill
- **Technologies used:** Python, Pandas, Scikit Learn, Tensorflow, Node.js, AWS Lambda, NLTK and Seaborn
- Participated in a 3 month self-directed programming retreat focusing on Machine Learning and Data Science
- Analyzed text data and created models for Sentiment Analysis using Covid-19 Twitter data
- Created a model for a Generative Adversarial Network (GAN) using a fashion dataset
- Created an Alexa skill that allows users to receive daily affirmations
- Completed and received a verified certificate for the Coursera Deep Learning specialization

Lightpoint Financial Technology, New York, NY — *Lead JavaScript Engineer*

JANUARY 2018 - SEPTEMBER 2018

- **Projects completed:** Trade Ticket, Interactive Dashboard, Trade Blotter and Ticket Tracker
- **Technologies used:** React, Node.js, Openfin, Vue.js, D3, Plotly.js and Ag Grid
- Worked closely with the executive team to architect and build HTML5-based electronic trading graphical user interfaces to replace existing legacy interfaces for 10 different applications
- Engineered desktop applications using the Openfin runtime
- Developed reusable UI components using React and Vue JS libraries

- Designed a Node.js server that serves up static files and establishes websocket connections
- Architected performant reusable grid components using ag-grid
- Built data visualization tools using D3 and Plotly.js to chart and display trade data

Barclays Capital, New York, NY — *Senior JavaScript Developer*

SEPTEMBER 2015 - DECEMBER 2017

- **Projects completed:** Inbox, Customer Complaints tool, Search Framework and Metrics Dashboard
- **Technologies used:** AngularJS, Node.js, HTML5, CSS3, Ag Grid and Highcharts
- Contributed and maintained a large-scale enterprise application in AngularJS that includes various features that notify traders of any trade activity regarding their orders.
- Developed and integrated an interactive metrics dashboard that displayed trading and compliance activity
- Trained new hires, developers from other teams on JavaScript, AngularJS and Node.js best practices
- Built performant reusable grid components using ag-grid
- Managed UI deployments for production releases

Broadway.com, New York, NY — *Front End Developer*

SEPTEMBER 2014 - SEPTEMBER 2015

- **Projects completed:** Video and Show Redesign, Native Ad Unit, Django Migration and Events Tracker
- **Technologies used:** React, Django, Vanilla JS, HTML5 and CSS3
- Built new features on Broadway.com, Broadwaybox.com and Broadway Across America including extending the search functionality on multiple sites, redesigning and building out the video display pages and architecting custom native ad units
- Created and tested code to support Desktop, Tablet, Mobile viewports and browsers down to IE8
- Developed an events library to track user interaction for SEO on Broadway.com
- Reviewed developer code for quality and performance before merging into production

TEACHING/VOLUNTEER EXPERIENCE

Code Crew, New York, NY — *Co-Founder and Instructor*

JANUARY 2013 - PRESENT

- Develop curriculum and lesson plans for programming courses and workshops
- Lead instruction for various frontend and backend web development courses including 8 week Frontend Web Development bootcamps, 4 week Intro to JavaScript, 4 week Intro to Backend Development and more.
- Organized technical talks, collaborative coding events, coding courses and workshops
- Conducted interviews for course student selection
- Co-Organized ICodeNY programming outreach events encouraging individuals from the 5 boroughs to learn how to code

Hello Girl, New York, NY — *Founder and Instructor*

OCTOBER 2013 - PRESENT

- Develop curriculum and lesson plans for programming courses and workshops for women looking to break into tech
- Led instruction for several frontend and backend web development courses
- Created curriculum and led workshops for charter school students
- Hosted weekly mentoring sessions and mentored girls interested in learning how to code
- Organized an event, in partnership with Railsbridge, that had over 100 women in attendance, 35 instructors and teaching assistants. This event gained sponsorship from Uber, Grubhub, Github, Rent the Runway and other tech companies

City of Newark, Newark, NJ — *Instructor*

JUNE 2016 - JUNE 2017

- Developed curriculum and lesson plans for a 12 week web development bootcamp
- Helped students with assignments and projects
- Facilitated weekly office hours and student hackathons
- Built example applications used for student lessons and projects

Codestars IOS Bootcamp, New York, NY — *Instructor*

MARCH 2015 - JUNE 2015

- Developed curriculum and lesson plans for 12 week IOS development bootcamp
- Led instruction for course sessions covering topics such as Objective C, Swift, Xcode, Storyboards, Networking and more
- Led weekly office hours and recitations
- Organized outreach events for potential applicants and student hackathons

Startup Institute, New York, NY — *Instructor*

JUNE 2014 - JUNE 2015

- Led instruction for 12 week web development bootcamp teaching classes on Test Driven Development, Databases, ORMs and Admin Dashboards
- Assisted students as they worked through course material
- Led lab sessions and helped develop lesson plans
- Created coding activities and examples for required labs

EDUCATION

Pennsylvania State University, University Park, PA

Bachelor of Science in Crime, Law and Justice (Law Option) with a minor in Sociology

CERTIFICATIONS

Coursera - Deep Learning Specialization

Courses Completed (Verified): Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects and Convolutional Neural Networks

HEC - Innovation Management and Entrepreneurship Mastertrack

Courses Completed(Verified): Entrepreneurship Strategy: From Ideation to Exit, Business Strategy, Product Development and Social Entrepreneurship and Changemaking

TECHNICAL TALKS

Life After Bootcamp (Metis Bootcamp), Interviewing for your First Developer Job (Startup Institute in partnership with Digital Ocean), Getting Started with Electron (MEAN Stack NYC), Introduction to Deep Learning (Code Crew), Introduction to React Hooks (Code Crew), Introduction to Vue.js (MEAN Stack NYC), Getting Started with TypeScript (Code Crew) and JavaScript DOM versus jQuery (Queens JS)

ACCOMPLISHMENTS

- Invited to World Humanitarian Day at the United Nations
- Invited to speak at President Obama's White House for the first ever White House Tech Meetup
- Invited to speak at New York University at the Tech 808 Conference
- Featured or quoted in TechCrunch, Forbes, CNN Money, Black Enterprise and TechRepublic

HOBBIES

Coding, Volunteering, Photography, Chess, Hiking, Music, Cooking and Traveling

CURRENTLY READING

Hands-on Machine Learning with Scikit-Learn, Keras and Tensorflow, How to Win At The Sport of Business, Awaken the Giant Within, An Introduction to Statistical Learning, and HBR's 10 Must Reads On AI, Analytics, and the New Machine Age
