

Christian Miljkovic

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EDUCATION

New York University - Stern School of Business & College of Arts and Sciences

New York, NY

- Double Major: Computer Science and Data Science & Computing - GPA: 3.60/4.00

December 2017

TECHNICAL SKILLS

Proficient: Python, JavaScript, Java, C#, SQL, HTML, Node.js

Familiar: React, Git, AWS, Heroku, TensorFlow, Flask, C, R, MongoDB, CSS, Linux, RESTful APIs

EXPERIENCE

Kara

New York, NY

Software Engineer

June 2019 – Present

- Built a custom PSD to SVG file converter using Python and JavaScript in order to extract and parse the PSD data into a JSON object, which was then passed to a custom built algorithm that calculated, rendered, and extracted the lines of the image to an SVG file
- Implemented a “smart” image-cropping feature which improved the functionality of a key image resizing tool by 50% using Python, JavaScript, and the Google Cloud Vision API

Moody's Analytics

New York, NY

Software Engineer - Product Consultant

May 2018 – June 2019

- Designed and implemented the entire backend logic for the National Bank of Brazil's financial rating model from scratch using our custom software framework, C#, XML, and SQL
- Developed the capability for our clients to read, split, and merge PDF's within their applications using 3rd party API's
- Reduced the time to upload company entities into our platform by half by designing and developing a batch upload process in C# and SQL
- Analyzed and resolved the root cause of bugs across multiple projects in half the estimated time using Visual Studio and debugging tools
- Improved team debugging efficiency by 20% by creating and maintaining documentation and defect logs across multiple projects

Q.ai

New York, NY

Co-founder

May – September 2017

- Co-founded a tech-startup focused on an application that served daily restaurant recommendations to users in real-time using machine learning algorithms and predictive analytics
- Self-taught JavaScript and Node.js in order to develop the backend system for the MVP which improved the speed of our service by a factor of 10
- Integrated Google Places REST API into our application to further improve the reliability and precision of our recommendations
- Developed a scraping script in Python to pull restaurant data from multiple online sources and pre-process the data for training the KNN model used for recommendations

PROJECTS & EXTRACURRICULARS

AI Chess Game (Individual Project)

July – November 2019

- Developed the front-end of an interactive chess game using React with the future task of incorporating a Python chess engine called “Sugar Fish” to perform the AI moves

Cat-Dog Identifier (Individual Project)

August 2019

- Built a website that randomly selected an image of a cat or dog, then with a custom built and trained model, determined which animal was being displayed using Python, Flask, TensorFlow, and AWS

Jarvis (Individual Project)

November – December 2017

- Created a text messaging bot utilizing natural language processing models to remind users of their friends' birthdays using Node.js, MongoDB, Twilio, Cron Scheduling, DialogFlow API, and Heroku

INTERESTS & LANGUAGES

Model rockets, chess, 3D printers, guitar, fly fishing, soccer, skateboarding, Croatian, Italian