JJ Krasnick

jj.krasnick@pepperdine.edu | (919)-798-7566 | Raleigh, NC | www.linkedin.com/in/jj-krasnick

Education

Pepperdine University (Honors)   Malibu, CA
B.S. in Computer Science and Mathematics, B.S. in International Business, Minor in Data Science   Expected: April 2025
- **Cumulative GPA:** 4.00/4.00
- **Activities:** Computer Science Club, Math Club, Finance and Investment Club, Accounting Club, Engineering Club
- **Relevant Coursework:** Intro to Python, Probability and Multivariable Optimization, Linear Algebra, Intro to R, Statistics

Technical Experience

Pepperdine University - Department of Computer Science   Malibu, CA
Teaching Assistant   August 2022 - Present
- Managing office hours for 60+ students in the Introduction to Python course
- Delivering instruction on how to understand the basics of recursion, and how to apply object-oriented programming
- Teaching students how to use NumPy (Python Library), and Pandas (Python Library for data manipulation and analysis)

University of North Carolina at Chapel Hill - Department of Computer Science   Chapel Hill, NC
Undergraduate Research Assistant, Software Engineering Internship   May 2021 - August 2021
- Built innovative statistical models and fact-based quantitative analysis using big data visualization techniques
- Extracted insights from data sets by reshaping, summarizing, combining, sub-setting to extract summaries
- Ability to develop, analyze new problem-solving techniques to build insights to better perform for researchers
- Maintained reports, dashboards, and metrics to monitor performance
- Experienced in pulling large and complex data using SQL and writing data pipelines

Python Educator   Raleigh, NC
Self-Employed - Software Engineering   August 2020 - August 2021
- Led a cohort of 5 peers that assisted with educating students
- Instructed a group of 38 students; 100.00% were able to achieve basic level proficiency
- Incorporated Boolean, number, strings, while using a CSS/HTML interface
- Performed sequential, conditional, iterative, nested conditional, nested iterative statements
- Explained how to construct, use an array with two-dimensions

Technical Projects

Tennis King | *Python, Machine Learning, NumPy, Requests, Pandas*   October 2020 - August 2021
- Devised application with Tableau instead of Power BI to parse big data since it is capable of handling larger datasets
- Research informed a 27.42% reduction in stress levels among databases
- Estimated 82.35% won first professional tournament on the ATP World Tour, ITF Pro Circuit
- Reported 93.87% reached career high rankings, result of leveraging predictive modeling software
- Advanced proficiency with Microsoft Excel, used to convey datasets to multiple teams, across 7 companies around the world

Budget Controlling System | *Python, Machine Learning, NumPy, Linear Algebra, Pandas*   May 2020 - August 2020
- Constructed, advised a back-end system using hash maps, in a 4-person team to deliver code for production
- Advised employees to analyze and improve product performance by implementing caching, optimizing SQL queries
- Distributed services to a local store; measured 85.39% accuracy in budgeting, reduced 15.31% in unallocated resources
- Persuaded, negotiated our application by promoting to 14 businesses; 86% of the companies used our back-end system
- Back tested linear model for underfitting, overfitting, across different thresholds

Technical Skills

Languages: Python, R, SQL, T-SQL, Java, JavaScript (React), CSS, HTML, C, C++, C#, Node.js, MATLAB, Ruby, Go, PHP, .Net, Kotlin, XML

Frameworks: PostgreSQL, React Native, Git, Django, Flask, JSON, Hadoop, TensorFlow, Linux, NumPy, AWS, GCP, JUnit, Pandas, Kaggle

Other: Regression Analysis, Regex, Agile Methodologies, Data Algorithms, Data Structures, Deep Learning, Machine Learning, AI

Certifications: Google Data Analytics (Coursera), Data Science (Coursera), Introduction to Java (Bloomberg), Analyzing/Visualizing Big Data with Microsoft Power BI (Coursera), Introduction to HTML/CSS (Udacity), Introduction to JavaScript (Udacity), CS50 (Harvard)