Franco Dominic Valdecanas

San Jose, CA | (408) 858-1924 | nickyvaldecanas@gmail.com | linkedin.com/in/francovaldecanas | github.com/fvaldecan

EDUCATION

Sonoma State University – Rohnert Park, CA   August 2016 – May 2020
Bachelor of Science, Computer Science
- Honors: Dean's List (2019 - 2020), Extracurriculars: DII Men's Tennis (3 Seasons)

PROJECTS

TennisBot (Discord API, Node.js, Cheerio.js, Heroku)   August 2020 – Present
- Developed Discord's first Tennis bot using Discord's API and Node.JS for backend services, Heroku for application deployment, and Cheerio.JS for mining and scraping 100% of retrievable tennis data
- Created lookup command features for providing ATP and WTA scores, rankings, player profiles, and player statistics
- Maintain TennisBot's functionality and scalability through fixing bugs, writing and refactoring scalable code, and adding new features every week providing for hundreds of users and enhancing server experiences

Songlyzer (Spotify API, Javascript, Bootstrap, Chart.js)   June 2020
- Developed responsive website that displays song analytics based off audio features and lyrics using JavaScript and Bootstrap
- Displayed visual statistics by using Chart.js for interactive song analysis of data pulled from Spotify's web API
- Utilized Spotify's algorithms to display measurements of audio features including happiness, sadness, and energy ranked from 0-100 and designed algorithms for lyric analysis charts

Soundscapes to Landscapes (Deep Learning, MATLAB)   Apr 2020 – May 2020
- Collaborated closely with S2L staff to implement Deep Learning techniques for classifying bird species
- Prepared PCA, SVM, and CNN training and testing models for over 7000 wildlife audio recordings using MATLAB
- Operated remotely with a team of 5 using Zoom and organized weekly sprints for Agile workflow using Trello

Python-like Language & Interpreter (C++, Python)   Jan 2020 – May 2020
- Built a mock Python programming language and interpreter for four phased semester project in Programming Languages course
- Organized syntax and functionality using custom lexical analyzer for tokenizing and parsing user code and following grammar rules
- Implemented variable declaration, conditionals, loops, order of operations, functions and error handling in C++

Citi Bike Data Supplier (SQL, HTML, PHP)   Sept 2018 – Dec 2018
- Created and deployed website that queries tables of 2018 Citi Bike Data for Database Management Final Project
- Normalized data for easier maintenance and managed relational database efficiently using mySQL Workbench

WORK EXPERIENCE

Self-Employed – San Jose, CA

Tennis-Instructor   June 2015 – Present
- Offer private teaching and hitting lessons to variety of players ranging from beginners to top ranked junior players
- Grew clientele by 100-150% from 2016-2019 through references and networking with academies and USPTA certified coaches
- Manage lesson plans of 5-10 individual clients per week and communicate closely to ensure optimal results in technical and mental improvement

RELEVANT COURSEWORK

Data Structures, Algorithm Analysis, Programming Languages, Machine Learning, Database Management, Advanced Software Development, Operating Systems, Human Computer Interaction

TECHNICAL SKILLS

Programming Languages: C++, Python, JavaScript (ES6), HTML, CSS, SQL, MATLAB, PHP
Frameworks: React, Node.js, Express.js, Bootstrap, Angular, BeautifulSoup, Cheerio.js, spaCy
Databases: mySQL, MongoDB
Technologies: Vim, Git, Visual Studio, CLion, Pycharm, Insomnia, Trello

ACTIVITIES

Sonoma State Men's Tennis   Jan 2017 – Apr 2019
- Balanced 30+ hours a week of practice, competitions, and community work while maintaining above 3.0 GPA
- Cooperated with teammates and coaches to acquire national ranking of 25, second-highest in program history