ULISES MARTINEZ

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TECHNICAL PROFICIENCIES

- **Programming Languages:** Python, SQL, JavaScript, HTML/CSS, Java, Swift, Ruby, C/C++, Prolog, Scheme
- **Frameworks & Tools:** PyTorch, Scikit-learn, Pandas, ReactJS, Express, PostgreSQL, Git, Postman, Bootstrap, AWS, APIs/JSON
- **Software Engineering Processes:** Agile, SCRUM Software Development, User-Centered Design, Full Software Lifecycle

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EDUCATION & PROJECTS

San Francisco State University
Bachelor of Science Degree in Computer Science, May 2019

Web Application for Dormy Home Rental Services
- Served as a key member of a 7-person team developing an online application leveraging Agile and Scrum principles, as well as User Center Design to maximize the overall quality of the user experience.
- Developed a reusable, responsive, cross-browser base template for the front-end team in order to empower collaborations on user, admin, and property pages, enabling the expansion of rental services to other campuses.
- Led the front-end team, establishing use cases, mockups, and prototypes that led to the delivery of a fully-featured product serving property owners and tenants.

iOS Mobile Application – NearBites
- Worked as part of a three-person team building a restaurant directory service application from the ground up over a three-month timeframe.
- Gained invaluable experience working with Swift, Interface Builder, Auto Layout, and third-party open source libraries, as well as CocoaPods.
- Used a Model-View-Controller architectural pattern to separate REST API calls, data persistence, and view rendering for separation of concerns to improve scalability and reusability.

Machine Learning Library
- Innovated a supervised machine learning library to enable the creation and analysis of real-life data set models using a pre-processing method, accuracy methods, and CART algorithms.
- Implemented algorithms that included Decision Tree Regressor, Random Forest Regressor, Linear and Logistic Regression, and Decision Tree Classifier.
- The pre-processing method automated the cleansing of data by removing null values, converting not formatted values, and partitioning data into Desired Training and Testing Ready for Model Training.
- Trained real life data sets from a Kaggle competition and applied RMSE, R-squared, accuracy, precision and recall accuracy metrics to review results.

PROFESSIONAL EXPERIENCE

WEBPAGE CONSULTANT | Golden Gate Appliance Repair | August 2018 to December 2018
- Developed a mock-up of the website featuring functionality that enabled customers and the owner to manage accounts.
- Positioned the owner to scale the site in line with business growth by using Firebase as a non-relational database platform.
- Trained the business owner on the limitations and capabilities of the prototype, and of the features of static websites in order to identify a platform aligned with the unique needs of the company.

OFFICE CLERK | Golden Gate Appliance Repair | August 2015 to August 2017
- Leveraged expertise in Microsoft Excel to build financial reports of sales and accounts receivable, capturing improved accuracy and efficiency in bookkeeping operations.
- Serves as an invaluable resource to client questions and providing guidance on corporate policies and procedures.
- Used fluency in Spanish and English to assist with translations to better support customers.
- Oversaw the dispatch of repair technicians in line with customer requirements and availability.