NICOLAS VEGA

Berkeley, CA | (415)-583-4501 | nvegab99@gmail.com |https://www.linkedin.com/in/nvegab99/|https://github.com/NicoV7
A self- motivated, life – long learner seeking employment opportunities as Full – Stack Software Developer or Software Engineer

EDUCATION

COMPUTER SCIENCE B.A.| UNIVERSITY OF CALIFORNIA, BERKELEY
AUGUST 2022 - EXPECTED GRADUATION IN DEC 2024 | GPA: 3.5

ASSOCIATES IN COMPUTER SCIENCE & LETTERS AND SCIENCES | CITY COLLEGE OF SAN FRANCISCO
AUGUST 2019 – MAY 2022 | GPA: 3.94
Honors and Dean's List all years at City College of San Francisco

EXPERIENCE

FULL STACK DEVELOPER, SOFTWARE ENGINEERING INTERNSHIP | FARMERS INSURANCE
JUNE 2023 – AUGUST 2023
Summer internship as a Full–Stack developer using Agile development, Continuous Distribution and Integration, Databases, Salesforce technologies, SQL, HTML, Java, CSS, and JavaScript to develop customer-managed relationship software, dashboards, websites, and data models.
- Researched and developed an end-to-end pipeline to integrate live chat rating data into SFDC, saving the company $504k / year in licensing fees
  - Owned design and implementation for web interfaces
  - Implemented backend functionality to process data from live surveys
  - Developed a data flow to process incoming data and update rating data in SFDC
- Designed and implemented a CRM dashboard that displayed opportunity analytics in SFDC to insurance agencies nationwide
  - Communicated with product and business managers to design mock-ups of analytic dashboards
  - Owned implementation of dashboards in Salesforce analytics, created 11 data visualizations tracking data on opportunities and sales
  - Connected large databases to analytics, participated in debugging and DevOps, and pushed all of the dashboards to the entire U.S.
- Created a company-wide meeting application that stored meeting participant information, transcripts, and scheduling information in the company database
  - Communicated and worked with a mentor to create and develop the back end of the meeting app
  - Designed and implemented a linked list of objects to develop the architecture of the meeting stages
  - Created a dataflow that sent meeting data to the company database daily

TUTOR | CITY COLLEGE OF SAN FRANCISCO DEPARTMENT OF COMPUTER SCIENCE
AUGUST 2021 – DECEMBER 2021
- Tutored 3 ESL students in Java, Python, C++, Data Structures, and Algorithms classes
- Improved students' grades by a full letter grade.
- Researched and constructed custom visualizations for Data Structures and Algorithms to communicate with my students.

PROJECTS

WEATHER WARNER | PERSONAL PROJECT
- Constructed a webpage to display the weather, temperature, humidity, and wind speed of any city.
- Connected and open database to front-end,
- Designed the webpage to display different images based on the weather.
- Researched and planned an automated process to warn the user if it is going to rain by sending a text message to their phone

HOUSING PRICE PREDICTOR | DATA 100
- Researched and developed an improved machine learning model based on Chicago County's property data set
- Composed training data sets, test data sets, and validation sets to utilize linear regression testing for my model
- Engineered and cleaned data sets to visualize 12 features of properties to determine which features affected the housing price
- Processed data using pipelines and logarithmic transforms to accurately predict the market value of over 9000 houses in Chicago

61B THE GAME | 61B
- Collaborated and led a team for 5 weeks to develop a game that can generate infinitely unique, interesting, and complex levels
- Engineered over 20 different objects that consisted of the game engine, renderer, unit testers, rooms, hallways, menus, and the random room generators.
- Designed and implemented a binary space partitioning algorithm that stored rooms in partitions, then connected rooms with hallways using breadth first search
- Developed and implemented functionality to generate infinitely unique maps, save data, menus, and control structure

ACTIVITIES
- Created, organized, and moderated a discord server for a Data Structures class, housing 200 members. Led speaker discussions for homework, projects, and exam review in rooms of over 50 students. Promoted collaboration and communication between students during the start of the pandemic.
- Co-led 2 weightlifting clubs in Highschool and College. I accommodated each member's schedule and disabilities to advise them on their fitness goals.
- Intermediate E-sports athlete for Counterstrike, I played in a team of 5 that competed weekly against other top teams in the nation for 6 months

SKILLS

- Experience working with large datasets, databases, and object-oriented programming.
- Proficient with using Salesforce tools and technologies such as lightning web components, analytics, and APEX
- Effectively articulates complex technical concepts and software project details to non-technical stakeholders, including business and project managers
- Delivers clear and concise presentations that convey project goals, progress, and outcomes, fostering productive collaboration between technical and non-technical teams

- Languages: Java, Python, JavaScript, HTML, CSS, C++
- Strong Written and Verbal Communication
- Exceptional Interpersonal skills
- Openness to criticism and learning
- Linux, Windows