Michael Nguyen

(949) 560-7127 | nguyen.michael.26@gmail.com | linkedin.com/in/michael-c-nguyen | github.com/michael-c-nguyen

WORK EXPERIENCE

Software Engineer — December 2022 – July 2024
Bayside Credit — *Irvine, CA*

- Enhanced workflow efficiency by 30%, building an AWS application using Python and APIs that auto-populated customer insurance data into an internal service
- Implemented an AWS program using Python and Looker to automate PDF invoice delivery, generating $3,500 in recurring monthly revenue
- Boosted operational efficiency by 20%, automating a collection system on AWS using Python, SQL, and LiveVox that logged customer account details in real time
- Coded an AWS application using Python, SQL, and ETL processes that detected and flagged fraudulent customer information, mitigating fraud risk
- Created dashboards in Looker Studio, utilizing over 100,000 data points that delivered actionable insights
- Ensured software reliability and security by executing unit, integration, and end-to-end testing
- Collaborated with cross-functional teams to gather requirements and deliver software that met all criteria

Data Engineer Intern — June 2022 – September 2022
Pacific Life — *Newport Beach, CA*

- Produced a climate and airline dashboard using Streamlit that enhanced data-driven business decisions
- Employed SOQL that identified key performance indicators, aiding in strategic decision-making processes
- Analyzed 500,000+ data points with Salesforce and Einstein AI that predicted actions, boosting sales by 15%

Software Engineer & Lab Associate I — January 2021 – July 2021
ResearchDx — *Irvine, CA*

- Programmed a Python application that captured webpage data, reducing operational workload by 25%
- Engineered a pending FDA-approved software for Celiac disease risk, boosting workflow efficiency by 20%
- Improved software with Python and Selenium that auto-populated data, improving turnaround times by 20%

PROJECTS

MUGIC | *ROS Framework, Python, Max 8, Ubuntu*

- Contributed to a team in building software that enabled a motion sensor device to control a Toyota Human Support Robot
- Constructed patchers in MAX 8 that transmitted data packets via UDP to a Python script controlling the robot
- Researched API documentation provided by Toyota to develop core functionalities that granted control of various components of the robot

Portfolio - michael-c-nguyen.github.io | *React, Tailwind, JavaScript, JSX, HTML, CSS*

- Developed responsive web components using React and JavaScript that routed sections of the webpage and animated elements to enhance the user experience
- Designed the frontend of my web application using Tailwind, HTML, and CSS that structured visuals elements and displayed modern color schemes

SKILLS

- **Languages**: Python, Java, JavaScript, TypeScript, SQL, C, C++, HTML, CSS, MATLAB
- **Cloud**: AWS (S3, SNS, SQS, Lambda, API Gateway, EventBridge, CloudWatch, Amplify, Aurora, Systems Manager)
- **Technologies**: React.js, Node.js, Express, Tailwind, Streamlit, Numpy, Pandas, PostgreSQL, Git, TCP, UDP, REST, HTTP, API, JWT, JSON, XML, YAML
- **Tools:** Docker, GitHub, BitBucket, MySQL, Postman, Jira, Confluence, Looker Studio, Salesforce, Snowflake

EDUCATION

University of California - Irvine — September 2021 – December 2022
Masters in Software Engineering — *Irvine, CA*