Shanemel Asuncion

Software Developer

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PROFILE

I am a Computer Science graduate with a strong foundation in software development and a background in machine learning and natural language processing. With hands-on experience across a variety of tools and technologies, I bring leadership skills and a focus on delivering high-quality, client-centered solutions. I'm dedicated to driving successful outcomes and building lasting professional relationships.

SKILLS

Python, SQL, Data Analysis, Data Visualization

Sketch, Figma, Design Thinking, Wireframes, User Research, UX Strategy, Personas, Prototyping, User Testing, UI Design

HTML, CSS, Sass, JavaScript, REST APIs React JS, Node.js, MySQL

Python, System Administration: Linux Bash, Powershell, Git, Julia, Kotlin, Java, C#, C++. C, Assembly

Machine Learning, Natural Language Processing, Reinforcement Learning, Operating Systems, Search and Planning, AI in games

PROJECTS

Front-End Developer | Social Distribution

SEP 2023 - DEC 2023, CMPUT 404 CAPSTONE

- Engineered a distributed social networking platform utilizing ReactJS for a dynamic front-end, Django for backend logic, and PostgreSQL for data storage.
- Implemented key features, including user profiles, posts, friend requests, comments, content sharing, and cross-server likes.

Front-End and Quality Assurance Developer | Habitize

SEP 2021 - DEC 2021, CMPUT 301 CAPSTONE

- Developed a habit tracking app using Android Studio and Java, integrating Firebase for real-time data sync, user authentication, and cloud storage, while leveraging Google Cloud Platform for allowing adding location.
- Tested the app using Espresso for UI automation and followed Scrum practices to ensure agile project management and timely delivery.

EDUCATION

BrainStation | Diploma, Software Engineering

JUL 2024 - SEP 2024, TORONTO, ON

AI4Good Lab | Fellowship, Machine Learning

MAY 2022 - JUN 2022, MONTREAL, QC

University of Alberta | Bachelors in Science, Major in Computing Science

SEP 2020 - NOV 2024, EDMONTON, AB

EXPERIENCE

Mobile Developer | uniONE

JAN 2023 - APR 2023, EDMONTON, AB

- Designed and developed a mobile application MVP for a startup aimed at facilitating student networking based on shared interests.
- Leveraged React Native and Expo for cross-platform compatibility, with Django and PostgreSQL providing a scalable backend infrastructure.

Director of Entrepreneurship & Future Development | NeurAlbertaTech

MAY 2022 - DEC 2022, EDMONTON, AB

- Recruited mentors and judges for Canada's largest neurotech hackathon that is attended by over 200+ participants.
- Spearheaded the support for the winning teams which includes seed funding, connecting them to additional sponsors and mentors.

Android Developer | Canadian Organization for Undergraduate Health Research

DEC 2021 - APR 2022, EDMONTON, AB

- Focused on front-end development for a data collection application to track disease progression and daily health metrics in Alzheimer's Disease patients
- Built with Android Studio and Kotlin, leveraging Firebase for secure data storage and real-time updates.