Christopher Nguyen

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EDUCATION

Arizona State University   Tempe, AZ
Master of Computer Science   Aug. 2023 - Present
Courses: Statistical Machine Learning, Mobile Computing

Oregon State University   Corvallis, OR
BS in Computer Science   Jun. 2020 - Dec. 2022
Courses: Algorithms, Data Structure, Computer Graphics, Databases, Open Source Software,
        Operating Systems, Web Development, Introduction to Security

University of California, San Diego   La Jolla, CA
BS in Human Biology   Sep. 2012 - Jun. 2016

Languages & Technologies

Languages: Python, GDScript, Kotlin, Dart, OpenCL   **OS**: Windows, Linux, Mac
Frameworks: Docker, Numpy, Flutter, Flask, Bootstrap   **Version Control System**: Git
Other: Firebase, Ubuntu, HTML, CSS

PROJECTS

Smart Gesture Classifier (Kotlin, Python)
• Android mobile application that records users' gestures then identifies it with machine learning
• Upload recordings to cloud computing server with POST requests
• Cloud computing server classifies recorded gesture videos with CNN model and cosine similarity

Doge Parks (Flutter, Firebase)
• Android and iOS compatible mobile application developed on Flutter framework
• Functions: park navigation, review system, instant messaging system, dog owner and dog profiles
• Lead scrum team of three to develop project in an eight week time frame for university's capstone project

Blossom (Godot, Firebase)
• 2D side-scroller mmorpg in developed with Godot Engine
• Authoritative server model with client prediction, server reconciliation, interpolation and extrapolation
• Server-side calculations and collision detection
• Servers instances hosted in docker containers

Database Manager (Handlebars, JavaScript, CSS, SQL)
• Webclient developed with Handlebars frontend and Javascript backend
• Utilizes JavaScript to request SQL queries to MariaDB database
• Web-client uses AJAX to update and display real-time changes made to the SQL database

WORK EXPERIENCE

Roche Molecular Systems   Apr. 2018 – Present
Laboratory Technician II/III
• Prepared Tissue, DNA, Whole Blood, PDB/PBMC, Plasma for oncology assay
• Performed qPCR test to monitor inter-laboratory contamination
• Wrote and revised role's technical procedures and work instructions
• Developed and created barcodes system for site's oncology assay and automation