

Nicholas Torres

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[GitHub](#) | [My Website](#)

I am a software developer seeking a position as a mobile/web application developer to strengthen my programming education and skills within a professional environment. I am most passionate about application development (mobile/iOS/Android + back end), embedded systems development, and data mining. I prioritize responsibilities with efficiency and critical thinking guiding decisions. I'm eager to apply my skills and learn new things while on and off the job.

EXPERIENCE/PROJECTS

Full Stack Software Developer, Beebizy (iOS, Android, Backend)

June 2021 - Present

Currently working to migrate the request-based booking system for vendors and clients to an eCommerce based shopping feel.

Worked with others developers to replace SQL based search function to Elasticsearch full text search engine.

OpenSatKit Anomaly Injection & Detection

Worked with a team to develop onboard/server software to detect anomalies that may appear onboard NASA's cFS satellite flight software. Anomalies were artificially introduced to flight software via Ball Aerospace Corporation's COSMOS command and control platform for embedded systems.

HTTP Server

Implemented a multi-threaded HTTP web server in C, capable of handling PUT, GET, and HEAD requests. Also includes logging, health checking, and load balancing functionality.

BASIC Language Interpreter

Wrote an interpreter in OCaml to parse and run a variation of the BASIC programming language.

Android OpenGL ES Shader app

Wrote, published, and deployed an Android Jetpack Compose app showcasing a few shaders run with the Android SDK's OpenGL ES graphics pipeline to the Google Play Store.

EDUCATION

California State University, Los Angeles — *Computer Science B.S.*

2016 - 2021

Major GPA: 3.7

Relevant Coursework:

Algorithms & Abstract Data Types, Computer Systems, Computer Architecture, Database Systems, Computer Systems Design, Software Engineering, Applied Machine Learning, Application Development

SKILLS

Proficient in Kotlin, Swift, Java, C, C#, Python, Perl, SQL, Fortran, Javascript, HTML, CSS, MIPS, Scheme, OCaml, React, Vue, Angular, Flutter, NodeJS, TypeScript, Tomcat, Nginx, Express.js, OpenGL, Adobe CC, and Linux/Unix.