Anuj Parakh

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Senior Computer Engineering student with a focus on problem solving and writing efficient, organized code. Excellent team player with ability to meet deadlines and quickly resolve issues.

SKILLS

Languages: C/C++, Java, Python, Swift, Objective C/C++, JavaScript, TypeScript, Dart, HTML, CSS, SQL, Verilog, ARM Assembly
Software Tools: Android Studio, Bash, Boost, Cadence, Eclipse, Emacs, Fritzing, Git, Jira, LabVIEW, LTSpice, Perforce, XCode, Visual Studio, VSCode
Technologies: Node.js, ReactJS, React Native, Flutter, Azure, restify, JUCE, CMake, MongoDB, PostgreSQL

WORK EXPERIENCE

Cabin Network and Systems Engineering Intern
Boeing May 2020 – Aug 2020
- Added features to a project that connects airplane systems to the ground using cloud technology.
- Developed code in TypeScript working with Microsoft Azure and Cosmos DB using Node.js and restify.

Software Engineering Intern
National Instruments May 2019 – Aug 2019
- Designed and developed software in C++ for an embedded system to save manufacturing time.
- Debugged both embedded code and driver level code to implement code fixes and enhancements.

Software Engineering Intern
BioEye May 2018 – Aug 2018
- Worked a project involving machine learning to provide a mobile eye tracking solution to detect early onset dementia.
- Developed backend using Node.js and MongoDB.

PROJECTS

MITS (Multi-Instrumental-Tactile-Synthesizer) April 2020
github.com/anujparakh/multi-instrumental-tactile-synthesizer
- Developed gloves using Arduino Nano BLEs with flex sensors and a force sensor to create music.
- Gloves connect to a macOS application written in Swift over Bluetooth and music is created with MIDI.

Phantom Guitar August 2016
github.com/anujparakh/phantom-guitar
- Created a device to play guitar without a guitar with an Android and macOS app using a LightBlue Bean, Swift, and BLE.

EDUCATION

Texas A&M University
Bachelor of Science, Computer Engineering, Aug 2017 – May 2021
GPA: 3.93
Relevant Coursework: Artificial Intelligence, Intro to O.S., Programming Studio, Data Structures and Algorithms, Cybersecurity Law and Policy, Microcomputer Systems, Computational Photography