Ronan A. Konishi

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SUMMARY OF QUALIFICATIONS

- Developed and Maintained Web and Mobile Applications for Qualcomm Institute – UCSD Division of Calit2
- Developed Parser for Japanese TV Show Most Common Words using Web Scraping in Java
- Developed and Hosted Web Scraping Blog Page in Laravel, HTML5, CSS, Javascript, and MYSQL
- Built personal Website using HTML5, CSS, and Javascript
- Created Huffman Encoding File Compressor and Graph-Based Relationships Projects in C++
- **Technologies used:** Java, Laravel/PHP, C, C++, Python, HTML5, CSS, Javascript, MySQL, SQL, React.js, ARM Assembly, AWS, Machine Learning

EDUCATION

University of California San Diego   **Anticipated** June 2022
Bachelor of Science in **Computer Science, GPA 3.89**

WORK EXPERIENCE

Software Developer, Qualcomm Institute – UCSD Division of Calit2   (10/2018 – current)
- Developed an Event Logging Data Infrastructure System consisting of an API to Log and Retrieve Data and a Spreadsheet-Style Interface in Laravel/PHP
- Developed Authenticated API System that Organizes Accessibility of AWS S3 Data for various Users and Devices in Laravel/PHP
- Developed Android App with 3D Camera for Face Mesh Rendering and Eye Measurement Calculation for Fetal Alcohol Syndrome Disorder (FASD) Detection in Java
- Developed Survey (Website) for Doctors to Record FASD Severity Thresholds using Video Scrubbing in Laravel
- Updated Jupyter Notebook for FASD Detection Project to run Machine Learning Models on New Data in Python
- Updated UCSD Veterans Affairs app with new Database Migrations, API methods, and UI in Laravel/PHP
- Ran a Suite of Tests for Government Networking Software and provided feedback.

PROJECTS

Japanese Transcript Parser, Web Scraper, Java   (7/2020 – current)
- Developed Parser for Japanese TV Show Most Common Words using Web Scraping in Java
- Automates Scaping and Extracting Transcript file from TV Show title and Getting Common Words from File

Ronankonishi.tk, Web Scraping Blog Website   (6/2019 – current)
- Developing a Web Scraping Blob Website with User Authentication, CRUD functionalities, and Responsive UI
- Used Laravel, PHP, HTML, JavaScript, CSS, Bootstrap, AWS EC2, Apache, MYSQL, and SQL

Ronankonishi.github.io, Personal Website/Portfolio   (6/2019 – current)
- Developed a Personal Profile Website with HTML5, CSS, Javascript

Huffman Encoding File Compressor, Data Structures Class Project   (11/2019)
- Implemented a Huffman Encoding-Based File Compression and Decompression Program using Bitwise I/O and an Efficient File Header in C++

Graph-Based Relationships, Data Structures Class Project   (11/2019)
- Created Path Finder (BFS, Dijkstra's Algorithm), Optimal Spanning Path (Kruskal's Algorithm) for finding various relationships between data in C++