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|  | **Emilio Ditrocchio** | |  |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | 778 869-1337 | editrocchio@gmail.com | github.com/editrocchio | emiliod.me | Vancouver, B.C. Canada |   **Work Experience** | | | |
| **Agile Developer, Intern** | **SAP (Analytics Cloud)** | **May 2019 - present** | |
| * Utilizing Jira-based Agile processes with 2 senior engineers to implement multilingual capabilities for 32 languages. * Building a highly scalable front-end administrator page with JavaScript web framework SAPUI5 by integrating MVC design patterns. * Developing API endpoints to store and retrieve translation data in a PostgreSQL database, leading to a reduction in REST calls by 50%. | | | |
| **Personal Projects** | | | |
| **SAP Ariba Consultant Handbook** | **SAP Internal Project** | **Jun 2019 - present**   * Developing cloud-based web application with a team of 3 interns under Ariba stakeholders to be used globally by 3000 SAP consultants. * Leveraging Smartsheet API to efficiently search for specific client information from over 2000 rows of data. * Building and integrating a back-end Flask application into a React.js front-end to seamlessly respond to data changes and update the UI dynamically.   **Tools: Python, React.js, Flask, Smartsheet API, Docker**  **AR Ground** | **https://play.google.com/store/apps/details?id=com.choam.arground** | **Dec 2018 – May 2019**   * Developed an application to consume Google Poly API and retrieve resources for over 1000 user-created models. * Integrated augmented reality library to render high-complexity models with an average time of 10 seconds or less. * Implemented an easy to use interface to share persistent models between devices by utilizing cloud anchor points.   **Tools: Android Studio, Google Volley, Google ARCore/Sceneform, Google Poly API, Google Firebase**  **Stay Alert** | **https://play.google.com/store/apps/details?id=com.crime.emilio.stayalert** | **Jan 2018 – Sep 2018**   * Built an automated program which identifies the most recent crimes from 37,000 Excel records on a weekly basis. * Set up Android notification channels to respond to over 900 geofence triggers when entering high risk areas. * Achieved #3 trending in its category; currently has over 200 active users and 900 downloads.   **Tools: Android Studio, Google Volley, Apache POI, Google Maps API, Google Cloud Firestore** | | | |
| Languages and Technologies | | | |

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| **Languages** | Java |JavaScript | Python |
| **Web** | HTML5 | CSS3 | React.js | jQuery | REST | SAPUI5 |
| **Database** | NoSQL | OracleDB | PostgreSQL | pgAdmin |
| **Automation/Testing** | CI Jenkins Pipeline | Selenium | jUnit |
| **Other** | Android Studio | Git/GitHub | Jira | Google Cloud Platform |

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| **Education** |
| **Computer Systems Technology Diploma** | **British Columbia Institute of Technology** | **Sep 2018 – Dec 2020 (expected)** |
| * Current GPA: 88%. * Relevant coursework: Object-Oriented Programming, Computer Architecture, Systems Analysis and Design, Discrete Mathematics, Web Development.  |  | | --- | | **Psychology Bachelor’s Degree** | **Simon Fraser University** | **September 2008 – December 2012** |   **Client-Service Experience**   |  | | --- | | **Financial Aid Advisor/Financial Aid Assistant** | **Kwantlen Polytechnic University/BCIT** | **Jul 2013 – Aug 2018** |  * Determined eligibility and authorized disbursements from internal award funds and external sources. * Provided one-on-one support to students experiencing severe financial crises. |