

Derek Tran

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WORK EXPERIENCE

Software Engineer

July 2021 to present

GeoSpatial Technologies, Inc. | Tustin, CA

Support development team as a full stack developer.

- Improve and maintain front-end (Ext JS framework) and back-end (Java) of client's web application enabling collaboration and communication of agencies and organizations for emergency incidents.

Technical Support

September 2017 to July 2021

GeoSpatial Technologies, Inc. | Tustin, CA

Support development team as a mobile and web application developer while conducting inventory and front office duties.

- Enhanced company's proprietary mobile application (Xamarin) that dispatches airport crew for airplane services. Developed feature to show and filter dynamic list of serviceable incoming/outgoing airplanes.
- Manage inventory of over 2000 mobile devices installed with company's software, distributed over more than 20 airports. Tasks include configuration and QA of devices, RMA management, and customer support.
- Wrote user guide documentation for company's mobile application.

Staff Research Associate

September 2015 to July 2016

UCLA Department of Earth, Planetary, and Space Sciences | Los Angeles, CA

Collected and analyzed seismic data for professor's ongoing geophysical research on Earth's core-mantle boundary.

- Wrote Bash scripts incorporated with Seismic Analysis Code to filter and analyze seismic data.
 - Reviewed and studied various scientific articles to identify and collect data appropriate for professor's research.
 - Presented weekly updates to professor's research group on results of data analysis and ongoing research activities.
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EDUCATION

Bachelor of Science, Software Engineering

Expected June 2021

University of California, Irvine | Irvine, CA

PROJECTS

SealSpotter (5-person team)

October 2020 to March 2021

React Native mobile application that utilizes citizen science to track and report rehabilitated seals released by the Pacific Marine Mammal Center (PMMC). Reports viewed on React web application for verification and analysis by PMMC members.

- Developed back-end REST API service with Java and Spring and connected it to a MySQL database.
 - Utilized Amazon Web Services, e.g. EC2 for web hosting, S3 for image hosting, and RDS for database management.
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SKILLS

- Languages: Java, HTML, CSS, JavaScript, C#, C++, Python, Bash
- Database Management: PostgreSQL, MySQL/MariaDB
- Tools/Frameworks: Git, Spring, Maven, Node, Ext JS, Xamarin