

# Lloyd Dakin

(510) 358-0459 | [lloyd.t.dakin@gmail.com](mailto:lloyd.t.dakin@gmail.com) | <https://www.linkedin.com/in/lloyd-dakin/> | <https://github.com/LTDakin>

## Experience

### Las Cumbres Observatory - Full Stack Engineer

Oct 2023 - Oct 2025

*Environment: Vue3, Javascript, Django, Python, NixOS, Redis, RabbitMQ*

- Architected and built Datalab, a web-based platform using Vue3 and Django, enabling users to execute scientific pipelines and process astronomical data.
- Optimized a webworker to do image scaling and multiple color channel stacking in real-time in the browser.
- Acted as a sole product owner, directly engaging with users to translate feedback into agile feature development and automated deployment with a CI/CD pipeline.

### Avanade - Full Stack Engineer

Aug 2022 - Apr 2023

*Environment: Java Spring, .Net Core, React, Angular, JavaScript, Java, C#, Node.js, SQL*

- Developed proof of concept car insurance mobile app with Angular, .NET API, and SQL in 3 weeks for clients.
- Presented React/Java Spring application to a monthly training meeting for fellow consultants who were looking to learn React Spring web app development.
- In collaboration with the team, implemented mobile number account recovery, increasing a client's recovery logins by 40%.

### Ciena - Junior Embedded Network Engineer

Feb 2022 - July 2022

*Environment: C, Internet Protocols, Bash, Python*

- Streamlined router command-line interface by fixing software bugs in Python and Bash scripts.
- Tested and maintained TCP and BGP networking protocols for routers.

### Amazon - Software Development Engineer Intern

May 2020 - Sep 2020

*Environment: AWS EC2, React, Bootstrap, Java, RDS, JavaScript, HTTP, REST API*

- Developed a React web app for the data science team to query an internal RDS database with filtering.
- Built dashboard page with Chart.js allowing team to find specific data sets and view trends and statistics about that set.

### Tech Core - Web Developer

Feb 2020 - May 2020

*Environment: JavaScript, Html, CSS, SQL*

- Built React web pages for company projects to increase awareness and secure funding.
- Wrote a query to remove 2000 bad data entries from an SQL database, improving data integrity.

## Projects

<b>Datalab</b>	<b>Github:</b> <a href="https://github.com/LCOGT/ptr_datalab">https://github.com/LCOGT/ptr_datalab</a>
<i>Browser based science and Image editing tool to bring the capabilities of Astropy and DS9 to any laptop with an internet connection</i>	
<b>Airport Weather Tool</b>	<b>Github:</b> <a href="https://github.com/LTDakin/AirportWeatherTool">https://github.com/LTDakin/AirportWeatherTool</a>
<i>.Net backend that fetches from a third party api for weather data and airport runways, then displays data on a react page</i>	
<b>Plant Social Media Website</b>	<b>Github:</b> <a href="https://github.com/LTDakin/InstaGrown">https://github.com/LTDakin/InstaGrown</a>
<i>Social media site for plant owners to share their gardening tips, interact with other members posts, and customize profiles</i>	

## Background & Skills

**Education:** University of Arizona B.S Computer Science

**Languages:** Javascript, TypeScript, Python, HTML, CSS, C, C#

**Frontend:** Vue3, Pinia, Leaflet maps, React, Redux

**Backend:** NodeJS, Express, Django, RabbitMQ, Redis, NixOS, Docker, Kubernetes, SQL, noSQL

**Other Skills:** API design, Testing, Git Versioning, Github Actions, System Architecture Design, AWS(EC2, S3), Client communication, UI/UX Design, Agile, Kanban