

## Alec B. Lownes

*Sensitive contact information removed*

Phone: (510) 256-9637  
Email: [alec.lownes@gmail.com](mailto:alec.lownes@gmail.com)

[aleclownes.com](http://aleclownes.com) - [github.com/cakenggt](https://github.com/cakenggt)

### Summary

Professional software engineer with experience working in a number of capacities including server backend, web frontend, database access, internal tool design, and design specification writing.

### Technical Tools

Python 2/3, JavaScript, JQuery, React, Redux, Electron, Webpack, Node, Java, J2EE, SQL, Android SDK, Hibernate, CSS, Spring MVC, JUnit, Eclipse, Atom, Toad, NetBeans, PyCharm, IDLE, Django

### Industry Experience

*Software Engineer*

*Warrendale, PA*

*Performance Review Institute*

*August, 2014 - Present*

- Part of a 4 person team supporting and developing the company's internal systems for Aerospace, Medical, and Transportation Audits
- Author design specifications for enhancements of all sizes
- Participate in large system enhancements touching all parts of the system
- Enhancement and bug fix work including SQL database scripts; frontend JavaScript, JQuery, HTML, and CSS; and backend Spring MVC and Hibernate
- Code reliability enabling International Trade and Arms Regulation (ITAR) information storage on the system
- Work with TensorFlow to predict audit failure chance ahead of time
- Redesign existing Swing offline application as an Electron-based React-Redux application

*Shift Leader/Crisis Counselor*

*Berkeley, CA*

*Crisis Support Services of Alameda County*

*September 2012 - January 2014*

- Speak with individuals in crisis over the phone to help manage their current and near-future situations
- Coordinate the crisis room and work with local law enforcement to rescue individuals in imminent danger
- Responsible for filing elder and child abuse reports to the local authorities

### Personal Projects

#### Node Libraries

*Stonemason*

- Microservice stub generator with options enabling a wide range of different technologies
- Featured on Node Weekly([#160](#))
- [Article on RisingStack](#)

*trinity-sim*

- Node implementation of the Trinity study utilizing financial data up to 2016
- Browser or library branches allowing for quick simulations or meta-analysis

#### Services

*Waypoint* - <https://api-waypoint.herokuapp.com/>

- Request visualization service using Socket.io to enable request updates without refreshing
- Ability to send requests from the website and visualize their responses, as well as visualizing requests made to a specific room url

### Education

Bachelor of Science in Psychology  
Wright State University

Dayton, OH  
March 2012