

Edward Guo

Seal Beach, CA - Email me on Indeed: [indeed.com/r/Edward-Guo/011e8490e84640fb](https://www.indeed.com/r/Edward-Guo/011e8490e84640fb)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer

NEAT Consulting - Seal Beach, CA - October 2015 to Present

Architected front end for noise prediction software using Java Swing API, providing clients with an intuitive interface, streamlining input and calculation of acoustic data at scale.

Created reusable, decoupled application components using MVC and object oriented design patterns to facilitate future updates and changes to software.

Built and managed company website as a single page application built in React.

Wrote VBA scripts to automate scraping of monthly stock market data from thousands of corporate Excel sheets.

Software Engineer

Brainfreeze - Playa Vista, CA - September 2016 to January 2017

Provided users of large scale Redux applications with a performance optimized library, targeting the overhead of unnecessary listener triggers by allowing developers to reference specific pieces of state.

Developed deep map algorithm to generate object of key paths to distinguish between leaves in nested state objects.

Created custom store subscription method taking in specific key path argument, targeting only pertinent changes to state.

Engineered partial state locking to centralize functional logic in store service, improving code readability and DRY.

Balanced compromises between the integrity of storing deep cloned state history objects versus the optimal space complexity of saving an action history to address issues of memory and performance.

EDUCATION

Advanced Software Engineering Residency in Computer Science

Codesmith - Playa Vista, CA

September 2016 to January 2017

Certificate Program in Computer Science

University of California-Irvine - Irvine, CA

September 2015 to May 2016

Bachelor of Arts in Cognitive Science

University of California, Berkeley - Berkeley, CA

August 2010 to May 2015

SKILLS

Javascript (3 years), Python (2 years), Java (2 years), Node (2 years), React (2 years), JQuery (1 year), HTML (3 years), CSS (3 years), C (1 year), Web Development (2 years)

LINKS

<http://github.com/Eviscerare>

<http://linkedin.com/in/edwardhguo>

AWARDS

National Merit Scholar

2008