

# ANDREW C. LO

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## TECHNICAL SKILLS

**Strong:** React • JavaScript (ES 5/6) • CSS3 • HTML5 • Node.js • Arduino • jQuery • OOP • API

**Experienced:** Java • MySQL • PostgreSQL • Node.js • Bootstrap 4 • Flexbox • MongoDB • GraphQL

**Tools:** Notion • GitHub • VS Code • Postman • MeisterTask • Docker • Figma • AWS • Ubuntu

## PROFESSIONAL EXPERIENCE

### Software Engineer | *Fireflies* | [fireflies.app](https://fireflies.app)

October 2020 - Present

- Collaborate with 15 other engineers and UI/UX team to build **responsive** and **reusable** components, employing organization and planning tools such as **Figma**, **GitHub**, and **Notion**
- Excel in using **React**, **MongoDB**, and **GraphQL**, utilizing **OOP** approaches and practices to produce hundreds of lines of optimized and reliable code
- Implement knowledge of **JavaScript** and **Frontend** frameworks to design, develop, and maintain a web application for a charity fundraising platform

### Teaching Assistant | *LearningFuze*

March 2020 - Present

- Mentor over 40 LearningFuze students **JavaScript**, **jQuery**, **HTML5**, **CSS3**, **React**, and **Node.js**
- Correspond with students via **Slack** and verbally to explain coding best practices and aid in debugging projects LearningFuze students request assistance for
- Supplement main instructors in expanding the potential of students through maintaining a challenging yet informative learning environment to promote student growth by approximately 25%

### Code Sensei | *Code Ninjas*

March 2019 - November 2019

- Instructed over 30 students from ages 6-13 for Computer Science, primarily **Scratch** and **JavaScript**, brainstorming with other Senseis to develop curriculum and lesson plan
- Provided marketing support which increased new student signups by about 15%

## DEVELOPMENT EXPERIENCE

### Wicked Pedals

[Live](#) // [GitHub](#)

- Produced an e-commerce app that sells guitar effect pedals using **React**, applying **Bootstrap 4** to style the app using **Fetch API** to connect the backend and request information about products and the user
- Developed a backend server to keep track of 12 products and orders using **PostgreSQL** to create a dynamic database that integrated the **Express** framework to connect the backend with the frontend
- Applied the use of **sessions** and **cookies** in order for different customers to keep track of items in their respective carts and to return where they left off shopping

### Shadow Realmer

[Live](#) // [GitHub](#)

- Designed a meet-up app for trading card game players with a team of four utilizing **React** and **CSS3**
- Constructed a backend to store user profiles, events, and hangouts to discern store employees and regular users utilizing **PostgreSQL** and applying **Google Maps API** to link events in the database to real stores
- Planned using **Figma**, **MeisterTask**, and **DBDesigner** to arrange an organized course of action, following **Agile development processes** to improve efficiency by about 30%

### Yu-Gi-Oh Memory Match

[Live](#) // [GitHub](#)

- Designed a matching game themed off a popular trading card game using **HTML5**, **CSS3**, and **JavaScript** with **jQuery** to manipulate DOM elements and provide functionality such as random card shuffling
- Implemented **responsiveness** using **Flexbox** and **media queries** to scale the game to proper screen sizes

## EDUCATION

### LearningFuze, *Accelerated Web Development Program*

800+ hours programming in a real world environment under the guidance of senior developers

University of California, Santa Barbara, *Environmental Science*