

# JONATHAN YUNG-HSIN HO FULL-STACK WEB DEVELOPER

## SUMMARY

Full-Stack Web Developer focused on emerging technologies and ed tech.  
12+ years experience in public, alternative, and democratic education.  
Lifelong learner with the strong communication, collaboration, and management skills needed to succeed in diverse team environments.

Email: [jonathan.yunghsin.ho@gmail.com](mailto:jonathan.yunghsin.ho@gmail.com)

Phone: 734 377 7063

Web: [jonathan-ho.dev](http://jonathan-ho.dev)

LinkedIn: [Jonathan-Y-Ho](#)

GitHub: [Jonathan-YungHsin-Ho](#)

## PROJECTS

### QualityHub + InterviewQ

ReactJS | GraphQL-Yoga

Gig economy hub app connecting job seekers with career coaches in a variety of areas - built using ReactJS

- **Full-Stack Web Developer** on 9-person cross-functional team with two UX developers and six other FS developers
- Iterated features for all aspects of project: back-end microservices, gateway, front-end application
- Implemented Apollo Client state management system for declarative and precise data fetching and caching
- Utilized GraphQL-Yoga + Prisma and Apollo Federation and Apollo Gateway to coordinate back-end microservices

GitHub: [project repos](#)

### JAMbda Treasure Hunt

ReactJS | Express

Multi-User Dungeon RPG demonstrating computer science principles including Algorithms and Data Structures, Blockchain, Graph Theory, and Computer Architecture - built using ReactJS

- **Front-End Developer** on 3-person cross-functional team with Django developer and data scientist
- Implemented Context API to centralize state management
- Designed game map to dynamically render game graph
- Implemented navigation and game logic to handle asynchronous data requests with sleep requirements
- Composed custom hooks to access back-end data and game server endpoints reinforcing DRY code principle

GitHub: [project repos](#)

### International Child Nutrition Status Tracker

ReactJS | Express

App tracks and organizes data for global child malnutrition nonprofits - built using ReactJS

- **Front-End Framework + Node Back-End Developer** on 4-person cross-functional team with one web UI developer and two front-end developers
- Coordinated front-end development team
- Implemented Context API to centralize state management
- Designed and built Express-Node back-end API using REST architectural patterns with full authentication/authorization

GitHub: [Front-End](#) | [Back-End](#)

*Additional projects available upon request*

## ACCOMPLISHMENTS

**Best Overall: Lambda Winter 2020 Hackathon** January 2020  
[Create Your Own Adventure](#)

## RELEVANT EXPERIENCE

### Wicked Sovereign

July 2007-July 2010

DESIGNER & PROGRAMMER

- Co-founded Flash-based web design company
- Designed, programmed, and maintained interactive web pages in Adobe Flash and WordPress

## EDUCATION

### Lambda School

July 2019-May 2020

FULL-STACK WEB DEVELOPMENT & COMPUTER SCIENCE

9+ month CS & Software Engineering Academy providing an immersive hands-on curriculum with a focus on computer science, software engineering, and web development

### Brooklyn College

June 2005-Sept 2007

M.S.E. MIDDLE CHILDHOOD MATH EDUCATION

### University of Michigan

Sept 2000-Apr 2005

B.S.E. MECHANICAL ENGINEERING & B.A. ENGLISH LIT

## SKILLS

### Front-End Development

Fundamentals: HTML5 | CSS3 | JavaScript ES6  
Libraries/Frameworks: ReactJS | React Hooks | Context API | Redux | Apollo Client  
CSS compilers: LESS | SASS/SCSS  
Styling libraries: Styled-Components | Semantic UI  
API calls: Axios | Fetch | GraphQL  
Deployment: Netlify | Zeit  
Version control: Git  
Testing: Jest | React-Testing-Library

### Back-End Development

Fundamentals: REST | SQL | GraphQL | Python  
Frameworks: Node.js | Express | Knex | GraphQL-Yoga | Apollo Server | Prisma | Apollo Gateway | Apollo Federation | Django | Flask  
Deployment: Heroku  
Testing: Jest | React-Testing-Library | SuperTest