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. Proven leader with the strong communication, collaboration, and management skills needed to succeed in diverse team environments.

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PRODUCTS

QualityHub + InterviewQ
Gig economy hub app connecting job seekers with career coaches in a variety of areas
- **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 Prisma + GraphQL-Yoga and Apollo Federation and Apollo Gateway to coordinate back-end microservices

Deployed App: explorequality.com

JAMbda Treasure Hunt
Multi-User Dungeon RPG demonstrating computer science principles including: Algorithms and Data Structures, Blockchain, Graph Theory, and Computer Architecture
- **Front-End Framework 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

Deployed App: teamjam.netlify.com

International Child Nutrition Status Tracker
App tracks and organizes data for global child malnutrition nonprofits
- **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

Deployed App: icnst.netlify.com

GitHub repos and additional projects available upon request

ACCOMPLISHMENTS
Best Overall: Lambda Winter 2020 Hackathon   January 2020
Create Your Own Adventure: createadventure.netlify.com

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 6
Libraries/Frameworks:	ReactJS, React Hooks, Context API, Redux, Apollo Client
CSS compilers:	LESS, SASS/SCSS
Styling libraries:	Styled-Components, Semantic UI
Testing:	Jest, React-Testing-Library
API calls:	Axios, Fetch, GraphQL
Version control:	Git
Deployment:	Netlify, Zeit

Back-End Development

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