

# Benjamin Ku

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## EXPERIENCE

### Software Developer Intern @ eWorld Enterprise Solutions

Aug 2023 → Present

*Java, AngularJS, Springboot, Jira*

- Collaborated with the Department of Transportation Airports division to facilitate a full-stack web-application to store purchase orders and requisitions for respective employees.
- Utilized Agile methodologies, including SCRUM and SPRINT, to enhance the workflow efficiency for Department of Transportation contracting projects.
- Conducted comprehensive regression testing to verify the proper functionality of the application, ensuring user experience and robust performance.
- Leveraged application with AngularJS and SpringBoot to manage UI, ensuring intuitive navigation, and efficient RESTful API request handling to backend databases.

## PROJECTS

### Jobseeker Web-App | *Next.js, Django, Django Ninja REST Framework, Material-UI*

Aug 2023 → Oct 2023

- Built a full-stack, jobseeker app allowing users to connect as either a *seeker* or *employer* to facilitate efficient viewing and posting of job listings.
- Utilized Django Ninja to write RESTful API endpoints, effectively handling HTTP requests and ensuring smooth data flow.
- Implemented robust user authorization via JWT authentication, ensuring secure access and protecting sensitive user information.
- Utilized Next.js' server-side rendering to streamline various pages of the web application via server to enable faster load times.
- Enhanced the UI by applying modern design principles and leveraging components using Material-UI.

### Network Web-App | *React.js, Django, Bootstrap*

Mar 2023 → Apr 2023

- Built a full-stack, social networking app that seamlessly connects users and views posts.
- Integrated schemas created from Django models within RESTful API endpoints, to ensure seamless flow of user-generated content, including posts, likes, and followings.
- Modernized frontend from using React components and managing state throughout the application.

### E-Commerce Web-App | *Django, Bootstrap*

Dec 2022 → Feb 2023

- Built a full-stack, e-commerce app to allow users to participate in a video game auction house.
- Designed and built robust Django models to establish a scalable, relation schema to accommodate user listings, bids, comments, and watchlisted items.
- Implemented a notification system for highest bidders when the auction is closed by the listing owner.

## EDUCATION

University of Hawaii at Manoa

December 2023

**Bachelor of Science: Mechanical Engineering**

Grade: Cum Laude

## TECHNICAL SKILLS

**Languages:** Python3, JavaScript, TypeScript, HTML/CSS, SQL, C

**Frameworks/Libraries:** Next.js, React.js, MaterialUI, Tailwind, Bootstrap, Django, Flask

**Tools:** Visual Studio Code, Git, Github Desktop, Google Colab, Postman, Agile Development, Jira