

# Timothy Woo

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## EDUCATION

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### University of Washington

*Bachelor of Science in Computer Science*

Seattle, WA

*Sep. 2019 – June 2022*

- **Relevant Coursework:** Algorithms, Human-Computer Interaction, Artificial Intelligence, Machine Learning, Database Systems, Database Management

## TECHNICAL SKILLS

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**Languages:** Python, Java, Typescript, HTML/CSS, SQL, Dart

**Frameworks:** React.js, Next.js, Node.js, Flutter

**Databases:** Firebase Firestore, PostgreSQL

**Tools:** Git, VS Code

**Libraries:** Firebase, Algolia, Shippo, SendGrid, Material UI

## EXPERIENCE

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### Software Engineer

July 2022 – November 2023

*Marble (YC S19)*

*Seattle, WA*

- Designed and implemented a new user onboarding process, significantly enhancing user experience and increased property creation by 20%.
- Integrated Shippo API and webhooks to automate shipment tracking and management, optimizing operations and improving user visibility.
- Collaborated with the engineering team and project manager to develop a custom lease generation form, reducing the leasing and tenant onboarding process time by 3-5 days.
- Engineered pivotal product changes to automate the property rental lifecycle, streamlining user guidance and substantially reducing manual operations for landlords and tenants.
- Implemented the SendGrid API to facilitate seamless communication between landlords, operations, and renters, providing a chatroom-like experience for landlords while maintaining email threads for renters.

### Software Engineer Intern

May 2022 – June 2022

*Marble (YC S19)*

*Seattle, WA*

- Optimized programmatic SEO strategies, boosting website visibility and attracting more potential customers.
- Developed a visual data mapping feature for available properties in popular cities, enhancing usability and user traction.

## PROJECTS

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### BonoBooks | *Personal Startup*

November 2019 – April 2023

*Dart, JavaScript | Flutter, Firebase, Algolia API, Git*

- Led the design and development of BonoBooks, a full-stack application for peer-to-peer textbook rentals, attracting over 190 users and facilitating over 50 rentals.
- Integrated Firebase Firestore and Algolia API to enable efficient data queries and full-text search for textbooks, enhancing user experience and search functionality.
- Built a robust database in Firebase Firestore and Storage for messaging, rental management, and transactions, showcasing expertise in database management and data integrity.
- Implemented user and event tracking with Firebase Analytics to analyze user behavior, driving improvements in user retention and engagement.
- Collaborated with a team of 3 to develop a comprehensive mobile tech stack, demonstrating strong teamwork and project management skills.