

# ROY XU

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## EDUCATION

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Carnegie Mellon University

**Bachelor of Science in Information Systems**

📅 May 2021   📍 Pittsburgh, PA

Additional Major in Human-Computer Interaction

Minor in Computer Science

GPA: 3.8/4.0 | University Honors

## EXPERIENCE

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GoDaddy

**Senior Software Engineer**

📅 April 2023 – present   📍 San Francisco, CA

- Manage Commerce Catalog and Inventory services, implement and optimize endpoints for major clients - Etsy, WooCommerce, Poynt, and GoDaddy Mobile.
- Improve GoDaddy AI ecosystem in collaboration with OpenAI, build integrations between Airo AI assistant and Bulk Ingestion APIs.
- Oversee authentication and OpenFGA scopes for commerce core services, enhance access control and mitigate security risks.

**Software Engineer**

📅 Jul 2021 – Mar 2023   📍 Santa Clara, CA

- Led migration of Online Store from Rails and MySQL to AWS Dynamo, improved scalability and reduced operational overhead.
- Designed CI/CD pipelines with self-hosted AWS runners, streamline development and deployment of commerce core services.
- Monitored Online Store uptime and throughput on HoneyBadger and Kibana, triage bugs and ensure timely resolution based on priority and sources of impact.
- Improved shipping configuration flow for Online Store merchants, enabled product-level shipping and local pick-up features.

Carnegie Mellon University

**15-110 Teaching Assistant**

📅 Sept 2018 – May 2019   📍 Pittsburgh, PA

- Member of 15-110: Principles of Computing teaching staff under Professor David Kosbie and Mark Stehlik.
- Led weekly teaching sessions in Python, focusing on data structures and algorithms.

## PROJECTS

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**Vezyy**

Summer 2018

- Led a team of 5 through the ideation and development of Vezyy, an iOS marketplace app for college students.
- Architected NoSQL backend with MongoDB and frontend with SwiftUI.
- Achieved over 2.4k downloads on App Store and over 300 daily active users.

**Cart Leakage Analyzer**

Summer 2019

- Created domain pricing visualization tools to analyze GoDaddy checkout cart leakage.
- Identified possible leakage sources to help achieve better regional domain pricing.

**Stack Jump**

Spring 2018

- Created a Python game that allows users to control an avatar who can learn to auto-jump over obstacles.
- Awarded "Best Game" for 15-112: Fundamentals of Programming.

## COURSEWORK

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Parallel Data Structures and Algorithms

Functional Programming (SML)

Computer Systems (C++)

Principles of Imperative Computation (C)

Database Design and Development (Ruby)

Web Application Development (React)

Mobile Application Development (Swift)

## SKILLS

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**Programming Languages**

TypeScript, Python, Ruby, Go, C, Swift

**Tools and Frameworks**

TensorFlow, PyTorch, Keras

AWS Serverless, SQS, DynamoDB

MySQL, MongoDB, PostgreSQL

React, Node.js, Rails, Django, SwiftUI