# ROY XU

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## EDUCATION

**Carnegie Mellon University**
**Bachelor of Science in Information Systems**

📅 Class of 2021    📍 Pittsburgh, PA

Additional Major in Human-Computer Interaction

Minor in Computer Science

GPA: 3.78/4.0, Dean's List: 2017 - present

## EXPERIENCE

GoDaddy
**Software Engineering Intern**

📅 May 2020 – Aug 2020    📍 Remote

📅 May 2019 – Aug 2019    📍 Sunnyvale, CA

- Expanded functionality of GoDaddy eCommerce packages to address COVID-19 related challenges – React, Ruby on Rails, MySQL.
- Contributed major component to the company framework, improving shipping configuration flow for Online Store merchants to assist with onboarding.
- Enabled preferred delivery schedule and product-level shipping configuration for everyday entrepreneurs.

Vezzy
**Software Engineer**

📅 May 2018 – Aug 2018    📍 Atlanta, GA

- Developed Vezzy, Emory University's first marketplace app with over 1.7k downloads - Swift, Firebase.
- Resolved performance issues and implemented features such as Geo-location Search prior to launch.

## TEACHING

15-110: Principles of Computing
**Teaching Assistant**

📅 Sept 2018 – May 2019    📍 Pittsburgh, PA

- Taught introductory CS concepts - programming in Python, data structures, abstractions in computing.

## HONORS & AWARDS

- GoDaddy Hackathon – Best Customer Innovation Hack
- Hack112 (CMU) – Best OpenCV Hack
- Margaret Williams Mathematics Prize

## PROJECTS

**GoDaddy Hackathon**                Summer 2019
- Created a domain pricing visualization panel to analyze cart leakage information – SQL, Python, Flask, React, Highcharts.
- Identified possible leakage sources to achieve better regional domain pricing.

**Cartpal**                Spring 2019
- Designed and developed Cartpal, an iOS app digitizing brick-and-mortar shopping experience – React Native, Scikit-learn, Firebase.
- Aggregated user data from shared shopping lists for better product recommendations.

**PyBookLib**                Fall 2018
- Developed a book recommendation web-app, suggesting reading lists to users based on categories and ratings of previously read books – Flask, Scikit-learn, NumPy.

**StackJump**                Spring 2018
- Created a Stack Jump game with an AI avatar that learns to jump over incoming obstacles – Pygame, Tkinter.

**PySnap**                Spring 2018
- Created a light-weight image processing program with built-in masks and filters – OpenCV, Pillow, NumPy, Tkinter.

## SKILLS

**Programming**
Python, Ruby, Swift, JavaScript, SQL
C, OCaml, R, HTML & CSS

**Tools & Frameworks**
React, Redux, Ruby on Rails, Node.js
Firebase, MongoDB, MySQL, Django, Git

**Product Design**
Figma, Balsamiq, Sketch, InVision

## LEADERSHIP

- Lambda Sigma National Honor Society – Vice President
- Idea to Startup at CMU – Organizer & Mentor
- Undergraduate Entrepreneurship Assoc. – Executive Board Member