

Amy Lu

Carnegie Mellon University, Pittsburgh PA
Bachelor of Science in Computer Science, minor in Philosophy
Projected Graduation: Dec 2021, GPA (QPA): 3.24/4.0

EXPERIENCE

Teaching Assistant 15-210, Carnegie Mellon University SCS

August 2021 - December 2021

Led recitations, graded homeworks and exams, and held office hours for the course Parallel and Sequential Data Structures and Algorithms.

Software Development Intern, Expedia

June 2021 - Aug 2021

Automated Expedia's Recommendations Platform performance testing framework by developing a pipeline for deploying and running tests on their APIs and models.

Software Development Intern, Zensors

June 2020 - Aug 2020

Added features to Zensor's visual sensing platform UI. Projects include streamlining the notifications feature of the app and creating a new time selector component.

Lecture Notes Writer, Carnegie Mellon University SCS

June 2020 - August 2020

Wrote lecture notes for the course Intro to Database Systems (15-445).

Research Intern, University of Pennsylvania CIS

May 2019 - Aug 2019

Developed a Chrome extension to help teachers organize course materials.

PROJECTS/PUBLICATIONS

Food@CMU— 2nd place HackCMU 2018

Developed Flask web app for CMU dining services that helps students find food on campus and donate dining blocks to local charities.

TextCrafter— TartanHacks 2019

Developed Android app that suggests responses to text messages.

Development of a novel approach to identify cancer drivers for hepatitis B virus associated hepatocellular carcinoma

American Association for Cancer Research 2018 Journal.

Shih-Chun Shen, Amy Lu, John Shieh, et al.

ACTIVITIES

Jane Street INSIGHT software engineering program— Jan 2019

Cell Leader, Asian Christian Fellowship — Jan 2018 - Aug 2021

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SKILLS

Python, C, SML, Java, Go,
JavaScript, HTML, CSS, React,

RELEVANT COURSEWORK

Algorithm Design and Analysis
(15-451)

Introduction to Computer
Security (15-330)

Web Application Development
(17-437)

Interaction Design Overview
(05-392)

Introduction to Distributed
Systems (15-440)

Introduction to Deep Learning
(11-485)

Introduction to Computer
Systems (15-213)

Parallel and Sequential Data
Structures and Algorithms
(15-210)

Great Ideas in Theoretical
Computer Science (15-251)

Probability and Computing
(15-259)

COMMUNITY SERVICE

Founded and directed a virtual
Coding Camp at Pittsburgh
Chinese Church
August 2020, 2021

Pittsburgh's LIVING ministries
inner-city homeless outreach
October 2019-present

Notetaker for CMU Office of
Disability Resources
September 2018 - May 2019

English teacher and missionary
in Taichung, Taiwan
July 2018, 2019