

EDUCATION

2014-2018 **Carnegie Mellon University, Pittsburgh**
Bachelor of Science in Electrical and Computer Engineering
Additional major in Computer Science, Minor in Human Computer Interaction
GPA 4.0 / 4.0

WORK EXPERIENCES

2017/9 - Present **Research Assistant at Kitturlab, Carnegie Mellon**
Implement desktop browser application with React, Electron and Firebase
Participate in design ideations and create prototypes

2017/5 - 2017/8 **Software Engineering Intern at Remitly, Seattle**
Implement web app front end with React, Typescript and Sass
Add api endpoints to backend services
Implement unit tests with Jest and Enzyme

2016/1 - 2017/5 **Research Assistant at Navlab, Carnegie Mellon**
Develop Android app for image and video capturing
Develop pedestrian and vehicle tracking program with C++ and OpenCV

PROJECTS

2016/6 - Present **Personal Website**
Implement front end pages with React and Typescript
Adapt responsive design paradigm

2014/7 - 2017/9 **iOS Reminder App**
Develop a reminder app featuring notifications widgets and event categorization
Link: <https://itunes.apple.com/us/app/ri-minder-reminder-and-to-do/id903705174>

2015/11 - 2015/12 **Dynamic Memory Allocator**
Develop dynamic memory allocator based on segregated free list with C

2015/10 - 2015/11 **Mini Linux Shell**
Implement a linux shell that supports background jobs and process management

2015/10 - 2015/11 **Mesh Editor**
Implement local edge operations and global remeshing with C++

2015/10 - 2015/11 **Table Tennis Game**
Develop table tennis desktop app with Python and PIL library

RELATED COURSES

Parallel and Sequential Data Structures and Algorithms

Algorithm Design and Analysis

Great Ideas in Theoretical Computer Science

Introduction to Computer Systems

Programming Usable Interfaces

Undergraduate Complexity Theory

Distributed Systems

Computer Graphics

Designing Human Centered Software

DEVELOPMENT SKILLS

Proficient Typescript, Javascript, HTML, CSS, React, C, C++, Python

Familiar Go, Java, Sass, Jest, Swift, SML