

Miffy Chen



Software Engineer | Full-Stack Developer ✉ mchen15@bu.edu ☎ 425-246-3718 🌐 miffychen.tech

🎓 EDUCATION

BOSTON UNIVERSITY @ (Boston, MA)

📄 MASTER OF SCIENCE IN COMPUTER SCIENCE | GPA: 4.0 Sept 2017 – May 2020

- Data Structures • Analysis of Algorithms • Computer Networks • Computer Architecture
- Adv. Programming Techniques • Software Engineering • Software Quality, Testing, & Security Management

🧠 BACHELOR OF ARTS IN PSYCHOLOGICAL & BRAIN SCIENCES Sept 2011 – May 2015

- Independent Research • Experiment Design • Family Violence • Psychopathology • Drugs & Behavior
- Statistics • Emerging Technology in Edu • Communications in Edu & Human Service Organization

📁 PROFESSIONAL EXPERIENCE

TUTOR (CS) @ Wyzant (Online & In-person) July 2018 – Current

REAL ESTATE SALES MANAGER @ CitySpade Inc. (Boston, MA) Dec 2017 – Aug 2018

SALES & MARKETING INTERN @ Compal Electronics, Inc. (Taipei, Taiwan) Oct 2016 – Mar 2017

🚀 PROJECTS

TRIO (3-IN-1 PROJECT MANAGEMENT TOOL) Java, Spring-Boot, Vue.js, AWS, Firebase, MySQL

- Project Management Dashboard + Instant Messaging + Issue Tracker • Modeled after: Trello, Slack, Github
- Tasks displayed as cards, managed in stages, stored in boards for each individual project. Task assignable to users. Users include managers, teammates, and clients, each with different privileges. Due date tracker + reminders. Mark tasks or stages ready to be reviewed, receive support tickets from clients. Review & prioritize tickets.
- Sort conversations by channels, invite co-workers to channels, limit user access to channels. Send email alerts.

CPU SCHEDULING SIMULATOR Java, Swing, JavaFX, MySQL

- Simulates & displays how the CPU schedules processes as they arrive, using different algorithms
- Algorithms implemented: FCFS, SJF (Pre-emptive), Round-Robin, Priority • Results displayed in Gantt charts

RASPBERRY PI

ALEXA (DIY AMAZON ECHO DOT) Raspbian, AWS, AVS, Python

- Using libraries provided on Alexa Voice Service (AVS), turned Pi into a custom Amazon Echo Dot

SURVEILLANCE CAM + WEB SERVER Raspbian, Android, SSH, Java

- Attached external camera to motherboard & setup custom web server in SSH using Pi as host
- Used Android app to configure settings & connections on a dedicated server

⚙️ SKILLS

Languages	Frameworks	Tools	OS	(Human) Languages
<ul style="list-style-type: none">• Java• Python• C, C++, C#• HTML, CSS/SCSS• JavaScript• SQL	<ul style="list-style-type: none">• Vue.js• React.js• Jekyll• Spring, Spring-Boot• Node.js• WordPress• PHP	<ul style="list-style-type: none">• Git & Github• Chrome DevTools• Postman API• Insomnia• MongoDB• MySQL• SAS & SPSS	<ul style="list-style-type: none">• Android• Ubuntu• Raspbian• Linux Mint	<ul style="list-style-type: none">• English• Chinese• Japanese