

# Howard Kong

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**Objective** — Seeking paid software engineering co-op utilizing Java, Python, JavaScript. Available May - December 2025.

## Skills

**Languages** Java, Python, C, C++, C#, JavaScript, TypeScript, HTML, CSS, PostgreSQL  
**Frameworks** AngularJS, ReactJS, Flask, Tailwind CSS, Reactstrap, Bootstrap, Spring Boot

**Design** Figma, Canva, AutoCAD, OnShape, SketchUp  
**Tools** Microsoft Office Suite, Google Workspace, Git  
**Languages** Japanese, Mandarin, Cantonese  
**Interests** Dancing, Singing, Music, Gaming

## Projects

- Multi-User Dungeon Game** (*Engineering of Software Subsystems*) **Sept 2024 – Dec 2024**
- Collaborated with 4 members to analyze requirements, design, and develop subsystems for a game in Java, utilizing various software design patterns and creating extensive documentation and artifacts such as UML diagrams, sequence diagrams, and Gang-of-Four tables
  - Contributed to the development of the command, authentication, memento, and UI subsystems and refactoring process
- State Metro Project** (*Software Process and Project Management*) **Sept 2024 – Dec 2024**
- Collaborated with 4 members to inception a potential software project by analyzing requirements and stakeholders, creating the project scope, analyzing and mitigating risks, evaluating software methodologies, creating a work breakdown structure and estimating process, creating a communication plan, and identifying and choosing metrics
- School Supplies E-Store** (*Introduction to Software Engineering*) **Jan 2024 – May 2024**
- Collaborated with 3 members to create a full-stack e-store application for school funds and supplies, utilizing Java, Spring Boot, REST APIs, and AngularJS
  - Managed project development utilizing RUP and Scrum to develop iteratively through each stage, and track progress, requirements, goals, and contributions through documentation, Trello, and standups
- StuyPulse** (*Robotics*) **Oct 2021 – June 2022**
- Collaborated with over 100 members to build a robot for FIRST Robotics Competition that performed tasks such as retrieving balls, unloading/shooting balls, moving, and hanging and traversing rungs
  - Assisted with conceptualizing, constructing, and programming certain subsystems using WPILib and Java

## Work Experience

- Yomie's Rice Yogurt** **Brooklyn, NY**  
*Barista* **July 2024 – Aug 2024**
- Consistently organized and maintained workstation and prepared and served dozens of customer
  - Memorized over 20 different drink recipes
- Discovery Program** **Manhattan, NY**  
*Teaching Assistant* **July 2022 – Aug 2022**
- Tutored over 25 students to build their academic and social skills
  - Taught classes and provided valuable feedback on assignments

## Leadership Experience

- Nova Dance Crew** **Rochester, NY**  
*Instructor* **Jan 2024 – Present**
- Taught and helped lead dance workshops with over 30 members
  - Contributed ideas to improve the club, performances, events, workshops, and overall outreach
  - Managed conflicts between performers and groups and communicated with external parties to ensure success of events
- Asian Culture Society** **Rochester, NY**  
*Executive Assistant* **Sept 2023 – Jan 2024**
- Helped manage the club budget and contributed event ideas for fundraising and activities

## Education

- Rochester Institute of Technology**  
*Bachelor of Science (BS) in Software Engineering*  
*Minors: Math ; Chinese*
- **GPA:** 3.85/4.0
  - **Courses:** Engineering of Software Subsystems, Web Engineering, Software Process and Project Management, Graph Theory, Probability and Statistics