

# JiaJin Chen

312-818-8058 | Chicago, IL | jchen6cs@gmail.com | www.linkedin.com/in/jiajin-chen1

## EDUCATION

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**University of Illinois at Chicago, Chicago, IL** Aug.2020 – May 2024  
**B.S. | Computer Science**, Dean's List Recipient, Google Developer Student Clubs  
**Cumulative GPA:** 3.70 / 4.00

## EXPERIENCES

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**Chicago Dental Society Midwinter Exhibitors** Feb. 2022 – Mar. 2024  
*Sales Associate - Guilin Woodpecker Medical Instrument Co*

- Provided detailed product demonstrations and consultations to clients, enhancing their understanding of advanced dental instruments and technologies
- Played a key role in strengthening client relationships and fostering partnerships, contributing to the company's presence and sales growth in the dental medical instrument market

**Options Trading Research Program | Python, APIs, Machine Learning, A.I., SQL** Aug. 2023 – May 2024  
*Undergraduate Research Assistant - UIC Department of Computer Science*

- Co-authoring a research paper on optimizing stock market predictions, utilizing machine learning and AI, under the mentorship of Dr. Diana M. Diaz Herrera
- Leveraged Jupyter Notebooks for in-depth data analysis and refinement of option pricing methodologies, enhancing predictive accuracy

**TechMyWay | Java, C++, Python, SQL** Aug. 2023 – May 2024  
*Co-Founder and Advisor - Student Organization*

- Remotely managed semester-long projects with a 14-member team using Agile methodologies, enriched academic and career development, crafted a high-impact virtual environment, and implemented structured onboarding and mentorship programs

**America Needs You** Jun. 2023 – Present  
*Fellow - Nonprofit Organization*

- Selected as one of 75 first-generation college students in Illinois to serve in a 2-year career development and leadership training program

## PROJECTS

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**Cuisine Track Web App | HTML, CSS, JavaScript, Figma** Feb. 2024 – Apr. 2024

- Engineered on delivering a personalized and immersive culinary exploration experience for users with diverse dietary needs and cultural interests
- Designed and implemented a multifaceted filtering system, enabling users to discover recipes by cuisine type, dietary preferences, and nutritional needs, significantly enhancing user engagement

**Open Street Maps | C++** Oct. 2023 – Nov. 2023

- Developed a user command-line navigation tool for UIC East Campus, employing XML parsing and Dijkstra's algorithm, achieving a 25% improvement in map processing speed by optimizing data structures
- Engineered a scalable back-end framework, enabling navigation extension between any two points using Graphs, Maps, Sets, and Lists

**Baccarat JavaFX GUI | Java, JavaFX, Maven** Sept. 2023 – Oct. 2023

- Developed a single-player Baccarat game with an intuitive GUI in a Maven framework, using event-driven programming and OOP for seamless gameplay, enhanced by strategic logic and thorough testing

## SKILLS

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**Computer Skills:** C++, Java, Python, SQL, APIs, Machine Learning, A.I., React, JavaScript, HTML, CSS

**Language:** Native in Mandarin and Fuzhounese; Fluent in English

**Interests:** Basketball, Badminton, Biking, Stock Market Research, Gardening, Cooking