

# Jung Chang

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## SUMMARY

Motivated and responsible Computer Science student at George Mason University with a strong foundation in programming, data structures, and software development. Experienced in Python, Java, C, and JavaScript, with proficiency in modern frameworks like React, Node.js, and TensorFlow. Skilled in problem-solving and critical thinking, with a proven ability to manage multiple tasks effectively through academic projects and work experience. Passionate about collaborating with cross-functional teams to achieve impactful outcomes. Seeking a part-time software engineering role or internship to apply my skills and contribute to innovative technical solutions.

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## EDUCATION

### Computer Science

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• Relevant Coursework: Public Speaking, Software Engineering, Data Structure and Algorithms, Algorithm Analysis, Object-Oriented Programming, Computer Vision, Machine Learning, Operating Systems, Computer Systems, Database Systems, Software architecture and Design, Probability Theory

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## SKILLS

Programming Languages: Python, Java, C/C++, R, HTML, CSS, JavaScript, SQL, MATLAB

Frameworks & Libraries: React.js, Node.js, Express.js, Pandas, NumPy, PyTorch, TensorFlow, Matplotlib, EasyOCR, BeautifulSoup, JUnit, JavaFX

Development Processes: Agile, Scrum, Waterfall, Kanban, CI/CD, Test-Driven Development (TDD), Version Control (Git)

Development Tools & Platforms: Visual Studio, Eclipse, Git, Docker, Anaconda, Jupyter Notebook, Bash, Linux, Windows

Project & Collaboration Tools: Jira, Notion, Slack, Microsoft Office Suites, Google Suites

Soft Skills/Languages: Problem Solving, Time Management, Adaptability, Conflict Resolution, English (Fluent), Mandarin Chinese (Native)

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## EXPERIENCE

### Front Desk

#### Progressive Urgent & Primary Care

August 2024 - Present, Annandale, Virginia

- Managed front desk operations serving 50+ daily visitors and handling multi-line phone systems.
- Coordinated appointment schedules and provided information services to clients and visitors.
- Maintained organized reception areas and managed incoming mail distribution.
- Delivered professional customer service while managing multiple concurrent tasks.
- Performed administrative support including data entry, filing, and basic IT troubleshooting.

### Substitute Teacher

#### Fairfax County Public School

September 2023 - Present, Annandale, Virginia

- Implemented curriculum-based lessons for diverse student populations while maintaining classroom management.
- Provided targeted academic assistance and individualized support to students across various subjects.
- Established positive learning environments through effective behavior management and disciplinary strategies.
- Facilitated clear communication with permanent teachers and administration regarding student progress and classroom dynamics.
- Demonstrated multitasking and time management abilities.

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## PROJECT

### Automatic License Plate Recognition System

- Developed end-to-end ALPR system using YOLOv8 for license plate detection and EasyOCR for character recognition.
- Achieved 85.3% precision and 70.8% average IoU on 433-image dataset through optimized model performance.
- Implemented custom preprocessing pipeline with CLAHE enhancement and geometric validation filters.
- Built comprehensive evaluation framework with precision, recall, F1-score, and IoU metrics analysis.
- Deployed real-time processing capabilities suitable for traffic monitoring and parking management applications.

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## CERTIFICATIONS

