

# Jung Chang

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## EDUCATION

### Computer Science

George Mason University • Fairfax, VA • 2026

- 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, Probability Theory

## SKILLS

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

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

## EXPERIENCE

### Front Desk

#### Progressive Urgent & Primary Care

August 2023 - Present, Annandale, Virginia

- Managed front desk operations for 50+ daily visitors by coordinating appointments, resolving multi-line phone system inquiries, and providing real-time IT support (Wi-Fi, device setup), maintaining 95% customer satisfaction and reducing scheduling errors by 20%.
- Coordinated appointment schedules and provided information services to clients and visitors.
- Digitized mail management by implementing a scanned document system with cloud storage, accelerating retrieval time and reducing physical filing by 40%.
- Delivered professional customer service while managing multiple concurrent tasks, achieving consistent positive feedback from clients and staff.
- Maintained office technology through routine updates, printer/server troubleshooting, and inventory tracking.

### Substitute Teacher

#### Fairfax County Public School

September 2023 - Present, Annandale, Virginia

- Implemented curriculum-based lessons for diverse student populations by adapting instructional strategies to meet varying learning needs, resulting in improved student engagement and comprehension.
- Provided targeted academic assistance and individualized support by assessing student strengths and weaknesses, leading to measurable progress in core subject areas.
- Established positive learning environments through consistent behavior management techniques and proactive disciplinary strategies, reducing classroom disruptions.
- Facilitated clear communication with teachers and administration by maintaining detailed progress reports and timely updates, ensuring alignment on student development goals.

## 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.
- Built comprehensive evaluation framework with precision, recall, F1-score, and IoU metrics analysis.
- Technologies: Python, OpenCV, YOLOv8, EasyOCR, CLAHE, Pandas.

### Calorie Tracker Pro

- Developed a calorie-tracking web app featuring responsive design, glassmorphism effects, and smooth animations.
- Integrated USDA FoodData Central API via a custom Node.js proxy server, enabling real-time search across 350,000+ food items.
- Built a secure RESTful API proxy using Express.js and CORS middleware to protect API keys and manage requests.
- Designed an interactive dashboard with live calorie/macro tracking and visual progress indicators.
- Technologies: JavaScript, HTML5, CSS3, Node.js, Express.js, REST APIs, CORS, USDA FoodData Central API.

## CERTIFICATIONS

COMPTIA A+