

JERRY ZENG

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LinkedIn



E-Resume

EDUCATION

Carnegie Mellon University	<i>Master of Science in Information Networking</i>	Pittsburgh, PA
<i>Focused on computer systems development; scholarship: \$34K</i>		<i>Aug 2024 – Jun 2026</i>
University of California, Berkeley	<i>Exchange student</i>	Berkeley, CA
<i>Courses in Software Engineering, Artificial Intelligence, GPA: 3.9/4, Global scholarship</i>		<i>Aug 2023 – May 2024</i>
Chongqing University	<i>Bachelor of Science in Software Engineering</i>	Chongqing, China
<i>GPA: 93/100, Ranking: 1/185, 3 publications in SCI JCR Q1, National Scholarship</i>		<i>Sep 2020 – Jul 2024</i>

PROFESSIONAL EXPERIENCE

Briefly Startup (briefly.ai)	<i>Fullstack Engineer Intern</i>	<i>May 2024 – Aug 2024</i>
<ul style="list-style-type: none">• Development Stack: Designed and implemented within a Monorepo architecture, leveraging TypeScript with Solid.js for the frontend, Node.js for the backend, and Tailwind CSS for styling.• Prompt Design: Designed and optimized LLM prompts to transform webpages into sections, tables, mind maps, and video into timeline stops. Ensured robust prompt design while mitigating the risk of prompt injection.• Data Parser and Storage: Implemented JSON-based data storage, utilizing Peggy to parse Markdown generated by LLM into structured JSON. Developed and executed tests to ensure the intended JSON format.• SEO Optimization: Created the features page and enhanced it with SEO improvements, including Open Graph data, leading to a 10,000-user growth and securing the #1 Productivity Product of the Week on Product Hunt.• DevOps: Deployed on Google Cloud, where we also implemented webhooks for real-time database updates, and managed CI/CD pipelines across staging and production environments.		
Citigroup Service and Technology	<i>Fullstack Engineer Intern</i>	<i>Jun 2023 – Aug 2023</i>
<ul style="list-style-type: none">• Task Overview: Led a team to develop a real-time bond bidding system in parallel with other groups. Successfully guided our team to deliver an outperforming solution, resulting in a full-time return offer as recognition.• Backend Development: Built the backend using the Spring Boot framework, applying the MVC pattern for each microservice. Managed the containerization of both the microservices and frontend using Kubernetes, and set up deployment on AliCloud.• Frontend Development: Developed the frontend using the Angular framework, utilizing the Ant Design UI library to create an enhanced user interface. Implemented role-based routing to ensure users are directed to appropriate interfaces based on their roles following the sign-in process.• Innovation Solution: Developed an intelligent agent by fine-tuning a large language model with frequently asked questions, improving user experience and optimizing resource utilization.		

SELECTED PROJECTS

Wind Power Prediction and Analysis System Vue.js , Flask , Bootstrap , PaddlePaddle	Demo, GitHub
Silver Prize Winner in the China Software Cup for developing a predictive model using wind power data provided by Baidu.	
LambdaVision for COVID-19 Analysis Vue.js , Scrapy	Live, Demo, GitHub
A city-level COVID-19 analysis using maps and Sankey Figures to visualize geographical spread and infection patterns.	
Reverse Logistics Navigator Vue.js , Echarts	Live, GitHub
Visualization for predicting and analyzing reverse logistics in household appliances from all Aibolv recycle sites in China.	
Flexextension Ruby on Rails , RSpec	GitHub
Integrating online assignment submission platforms (Canvas, Gradescope, etc.) for enhanced management at UC Berkeley.	

SKILLS

Language/Framework: Python, C, C++, C#, Java, Ruby, ASP.net, HTML/CSS, Javascript, Typescript, Vue, React, Angular, Solid, Node, Flask, Qt, Pytorch, Bootstrap, D3, Echarts

Developer Tool/Platform: Linux, Windows, Git, AWS, GCP, Vercel, Docker, Nginx, Redis, Kubernetes, Unity, Figma, Postman, MySQL, Photoshop, Premier