Jeffery Wu

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Education

Queen's University Kingston, ON
Bachelor of Computing (Hons.), Computer Science and Mathematics, GPA: 3.8/4.3 *Sep. 2023 – April 2028*
Relevant Coursework:
Algorithms, Data Structures, Operating Systems, Database Management Systems, Computer Networks

Technical Skills

Languages: Python, TypeScript/JavaScript, C#, C++, Java, SQL, Bash, HTML/CSS
Frameworks/Libraries: React, Next.js, Express.js, Node.js, Tailwind CSS, Pandas, NumPy, Matplotlib
Tools: AWS, Google Cloud, MongoDB, PostgreSQL, Docker, Git/GitHub, Stripe, Auth0, ServiceNow

Experience

HormoneFit Toronto, ON
Lead Full Stack Software Developer *May 2025 – Aug. 2025*
- Built and launched a **MERN** + **Next.js** health platform integrating Shopify Storefront API + Stripe Checkout, enabling patient onboarding, payments, and subscription workflows in production within **12 weeks**
- **Refactored 10,000+ lines of code** by standardizing TypeScript models and created 20+ reusable React components, r**educing new feature development time by 15%** and improving code maintainability

Queen's IT Services Kingston, ON
IT Support Specialist *Sept. 2025 – Present*
- Provided technical support to the Queen's community via ServiceNow ticketing system, resolving **100+** monthly tickets related to Microsoft 365, Google Workspace, and academic software with **95% resolution satisfaction**
- Resolved **200+** access and device requests used for incident resolution through queried Azure SQL identity data integrated with Microsoft Entra ID, to analyze user-device and user group relationships

Queen's School of Computing Kingston, ON
Teaching Assistant - Computer Architecture *Sept. 2025 – Present*
- Taught Queen's university's computer architecture to **500+** students over two semesters, hosting office hours, teaching students, and regularly marking exams and assignments with an **average of a week turnaround**
- Mentored students in systems-level development using C and x86 assembly on Linux, utilizing debugging tools (GDB), analyzing segmentation faults, and translating between assembly and high-level procedural code

Projects

AI Self-Driving Researcher | *SAM 2, SAM, Uncertainty-Aware Adapter* Jan. 2024 – Sept. 2025
- Researched segmentation models such as YOLO and FastSAM for use in vehicle vision, implemented new uncertainty-aware training to improve training metrics by **90%**, and generated segmentation in under **20 seconds**
- Won **2nd place out of 60** participants for findings on uncertainty-aware adapters for the Segment Anything Model (SAM) 2 and adapting model for car vision application in uncertain weather at **Amazon Firm Day**

Ace Attorney A2J | *Streamlit, Python, Langchain* February 2025
- Built a pro-bono LLM (Large Language Model) intake service for lawyers, reducing client onboarding time by **50%**, winning **$2000** cash prize and asked to present a demo for interested pro-bono organizations in North America
- Integrated Open AI with JSON-structured legal documents, creating a user-friendly frontend with Streamlit and streamlined the AI with Langchain, generating tailored questions and summaries of client cases for lawyers to use

FittingRoom | *React, Tailwind CSS, Express, MongoDB, Auth0, Figma, Google Colab* Aug. 2024 – Sep. 2024
- Created FittingRoom, a web app that uses generative AI to generate images of the users wearing clothes before buying them simply by uploading an image of themselves and a photo of the clothes
- Implemented secure **Auth0** login and **MongoDB** storage, integrated **HuggingFace** and **Google Cloud** to cut image generation time by 3 hours