

Chris Xu

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EDUCATION & HONORS

University of Illinois Urbana-Champaign, Grainger College of Engineering <i>Bachelor of Science in Computer Engineering</i>	Expected May. 2027 GPA: 3.96/4.0
New Trier High School <i>Honor Roll, AP Scholar with Distinction, National Merit Scholarship Semi-Finalist, Eagle Scout, Debate Club</i>	Aug. 2020 - May 2024 GPA: 5.0 ACT: 35

PROFESSIONAL WORK EXPERIENCE

Software Engineer <i>Tanda Biotech</i>	Sept. 2025 - Present <i>Champaign, IL</i>
<ul style="list-style-type: none">Currently working with startup Tanda Biotech on a computer visioning system for biochemical manufacturingDesigned proprietary system for image preprocessing and detection with OpenCV2 to read dials and flasks.Software currently in use during a Tangential Flow Filtration system to create various pharmaceuticals	

Software Engineer <i>Power Electronics International</i>	May. 2025-Present <i>East Dundee, IL</i>
<ul style="list-style-type: none">PE Website:<ul style="list-style-type: none">Led full-stack development of company website improving SEO, increasing turnover rate, and reducing load timesProgrammed unique ChatGPT Agent to act as a user chatbot to aid in customer questionsProgrammed in Vue/Vuetify/Nuxt3 frontend with a NodeJS + Express backend with CI/CD pipeline on AzureECT (Engineering Change Tool):<ul style="list-style-type: none">Helped on optimized backend architecture, enabling scalable processing of BOM data in MSSQLAutomated deployment and development with Microsoft AzureEasy-Acumatica Python Package<ul style="list-style-type: none">Developed an open source python package to interface with the Acumatica REST APIAssisting development in an agentic interface that integrates with Acumatica and Easy-Acumatica	

LEADERSHIP & INVOLVEMENT

IEEE Stock Simulator <i>Software Engineer IEEE EOH Project</i>	Sept. 2025 - Present <i>Champaign, IL</i>
<ul style="list-style-type: none">Currently developing a stock simulator using python and SQL using the Monte Carlo equationAssisting on data preprocessing and communication between multi-threaded CPU applications, SoC, and FPGA hardwarePlanned on presenting at EOH 2026	

Illinois Medical Advancements through Design & Engineering (i-MADE) <i>Software Engineer Stealth Project</i>	Sept. 2024 - Present <i>Champaign, IL</i>
<ul style="list-style-type: none">Stealth Project: Worked with on campus startup, Stealth, to create a ML model. Presented at Cozad & URSUtilized the SciPy package & NumPy to train an SVM model to determine muscle fatigue & optimal training intervals.	

RESEARCH & PROJECTS

Meme Coin Price Prediction Model	May. 2025 - Present
<ul style="list-style-type: none">Using various APIs and Tensorflow, developed a model to predict the price of a meme coin based upon social media buzzUsed the NLTK “Vader” model for NLP to determine how positive or negative a social media post is.	
Personal Portfolio Website	Apr. 2025 - Present
<ul style="list-style-type: none">Created own personal website to house personal and resume informationProgrammed with React frontend with a nodejs backend, hosted on Vercel.	

DNA Bendability Model <i>Research Assistant Professor Wang (Department Chair: Professor of Statistics and Data Science) Research Group</i>	Jun. 2023 - Sept. 2023 <i>Evanston, IL</i>
<ul style="list-style-type: none">Created a TensorFlow model to predict the bendability of a segment of DNA given a specific DNA K-mer length.Achieved an R-Value close to 0.9 using the TensorFlow package.	

SKILLS & RELEVANT COURSEWORK

<ul style="list-style-type: none">Technical Skills: C++, Python, TypeScript, Java, JavaScript, Microsoft Azure, REST APIs, CI/CD Pipelines, MSSQL, CAD, API Development, HTML, CSS, PostgreSQL, Circuit DevelopmentTools/Frameworks: Git, Github, Tensorflow, Keras, PyTorch, Pandas, NumPy, Node, Express, Vue, Vuetify, ReactInterpersonal Skills: Collaboration, Teamwork, Team Management, Spanish (Fluent), Chinese (Working Proficiency)Relevant Courses (by May 2026): Computing Systems, C++, Data Structures and Algorithms, Linear Algebra, FPGAs	
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