

Chris Xu

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EDUCATION & HONORS

University of Illinois Urbana-Champaign, Grainger College of Engineering

Expected May, 2028

Bachelor of Science in Computer Engineering

GPA: 3.97/4.0

Honors & Awards

- **1st Place - CI MED Make-A-Thon:** 1st place out of 8 teams, helped to create nerve detecting cauterizer
- **James Scholar:** Selected for a competitive honors program completing advanced academic projects
- **SP' 2025 Dean's List:** Recognized for academic excellence by achieving a higher GPA than 80% of cohort
- **SP' 25 Undergraduate Research Symposium:** Stealth Project
- **SP' 25 Cozad New Venture:** Commitment to Entrepreneurship Award

New Trier High School

Aug. 2020 - May 2024

Honor Roll, AP Scholar with Distinction, National Merit Scholarship Semi-Finalist, Eagle Scout, Debate Club, FTC GPA: 5.0 | ACT: 35

SKILLS & RELEVANT COURSEWORK

- **Technical Skills:** Python (*Tensorflow, Keras, NumPy*), TypeScript (*Node, Express, Vue, Vuetify*), Java, C++, CAD (*Onshape, Fusion360, Inventor*), Microsoft Azure, MatLab, HTML, CSS, PostgreSQL, Circuit Development
- **Interpersonal Skills:** Collaboration, Teamwork, Team Management, Spanish (Fluent), Chinese (Working Proficiency)
- **Relevant Coursework:** Java, C++, Data Structures and Algorithms, Discrete Math, Linear Algebra

PROFESSIONAL WORK EXPERIENCE

Development Operations

May. 2025- Aug. 2025

Power Electronics International

East Dundee, IL

- PE Website:
 - Led full-stack development of company website improving SEO, increasing turnover rate, and reducing load times
 - Programmed unique ChatGPT Agent to act as a user chatbot to aid in customer questions
 - Programmed in Vue/Vuetify/Nuxt3 frontend with a NodeJS + Express backend and hosting on Azure
- ECT (Engineering Change Tool):
 - Helped on optimized backend architecture, enabling scalable processing of terabytes of BOM data in PostgreSQL
 - Was able to improve CRUD times for BOMS by up to 70%
 - Automated deployment and development with Microsoft Azure
- Easy-Acumatica Python Package
 - Developed an open source python package to interface with the Acumatica REST API

New Trier High School IT Department

Jun. 2024 - Aug. 2024

Summer Intern

Winnetka, IL

- Collaborated with the entire New Trier High School IT Department to refresh devices & apply network wide updates
- Attained experience in PXE booting, PowerShell scripting, & network administration

LEADERSHIP & INVOLVEMENT

Illinois Medical Advancements through Design & Engineering (i-MADE)

Sept. 2024 - Present

Software Engineer | Stealth Project | Sep. 2025 - Present

Champaign, IL

- **Stealth Project:** Worked with on campus startup, Stealth, to create an ML model. Presented at Cozad & URS
- Utilized the SciPy package & NumPy to train an SVM model to determine muscle fatigue & optimal training intervals.

Biomedical Engineering Society (BMES)

Sept. 2024 - Present

Engineer

Champaign, IL

- **Electronic Shoulder Project:** Currently developing an electronic shoulder to be exhibited at Engineering Open House.
- Sole developer of the CAD & physical model whilst assisting in the electronic circuit & Arduino code

RESEARCH & PROJECTS

Meme Coin Price Prediction Model

May. 2025 - Present

- Using various APIs and Tensorflow, developed a model to predict the price of a meme coin based upon social media buzz
- Used the NLTK "Vader" model for NLP to determine how positive or negative a social media post is

DNA Bendability Model

Jun. 2023 - Sept. 2023

Research Assistant | Professor Wang (Department Chair; Professor of Statistics and Data Science) Research Group

Evanston, IL

- 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.