

# Tomasz Freeman

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## SUMMARY

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Motivated engineering intern with a strong foundation in software development and simulation. Excited to engage in projects that leverage skills in Matlab, C++, and Python. Eager to collaborate with talented engineers on customer-oriented solutions and deliver real-world applications. Experience includes creating software simulations and enhancing internal tools for improved workflows. Passionate about developing innovative algorithms and research findings to make meaningful contributions. Committed to learning and adapting continuously in fast-paced environments while supporting the customization of plant models for diverse project requirements.

## EDUCATION

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### Bachelor's Degree in Computer Engineering

University of Illinois at Chicago GPA: 3.5

2024

Chicago, IL

*Coursework: Software Engineering, Algorithm Design, Data Structures, System Simulation*

## TECHNICAL SKILLS

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- **Engineering Tools:** Matlab, Simulink, AutoCAD
- **Programming Languages:** C++, Python, Java
- **Simulation Software:** MATLAB, Simulink, Simio
- **Version Control Systems:** Git, SVN, Mercurial
- **Database Management:** MySQL, SQLite, MongoDB
- **Development Frameworks:** TensorFlow, PyTorch, SciKit-Learn
- **Operating Systems:** Windows, Linux, macOS
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Project Management Software:** JIRA, Trello, Asana
- **Research Methodologies:** Experimental Design, Case Study, Comparative Analysis

## SKILLS

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- Matlab
- Simulation Modeling
- Team Collaboration
- Communication Skills
- C++
- Plant Modeling
- Research Skills
- Adaptability
- Python
- Algorithm Design
- Hardware-In-the-Loop
- Customer Orientation
- Simulink
- Testing Methodologies
- Software-In-the-Loop

## EXPERIENCE

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### Software Engineering Intern

June 2025 - Present

Dynamic Solutions Inc.

Chicago, IL

Focused on software and simulation projects with proficiency in Matlab and C++. Worked closely with teams to develop user-friendly applications meeting client specifications. Engaged in algorithm refinement and optimization during practical application settings.

- Collaborated on simulation modeling using advanced software tools and technologies.
- Assisted with internal documentation for reusable code and functionalities.
- Participated in improvement initiatives targeting efficiency and functionality of software products.
- Conducted analysis to identify areas for enhancement in existing applications based on feedback.

### Engineering Intern

June 2024 - May 2025

Innovative Tech Group

Naperville, IL

Engaged in complex engineering projects specializing in simulation model customization. Assisted with technical documentation vital for team performance while incorporating customer needs. Contributed hands-on to enhance product usability within engineering standards.

- Contributed to algorithm design and testing methodologies for simulation purposes.
- Provided support in optimizing internal tools which increased workflow efficiency.
- Coadministered project-specific simulation models tailored to customer requirements.
- Joined in team discussions around scientific research that shaped ongoing projects.

## LEADERSHIP & AWARDS

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- Received Technical Excellence Award for outstanding performance during internship at Dynamic Solutions Inc.

- Recognized as a top researcher in algorithm optimization at University of Illinois at Chicago.

## CERTIFICATIONS

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- Certified MATLAB Associate 📅 2025

## PROFESSIONAL AFFILIATIONS

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- Member of IEEE Society fostering interest in electrical and electronics engineering.
- Participant in student-led programming workshops promoting coding skills among peers.

## LANGUAGES

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- English (Native)
- Polish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST