

# Kasper Atkinson

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## EDUCATION

### CORNELL COLLEGE OF ENGINEERING

#### SIBLEY SCHOOL OF MECHANICAL AND AEROSPACE ENGINEERING

*Candidate for Bachelor of Science in Mechanical Engineering*

Intended Minors: Aerospace Engineering, German Studies

Ithaca, NY

Anticipated Graduation May 2027

GPA 4.04/4.00

## WORK EXPERIENCE

### Comarch SA

*Data Analytics Programming Intern*

Kraków, Poland

June 2024 – July 2024

- Delivered ML script combining individually weighted and optimized prediction models to forecast server utilization.
- Co-developed program to securely retrieve internal company database metrics live for the Comarch Infraspaces Cloud.
- Troubleshooted obstacles to internal LLM implementation with the national Polish AI / ML team.
- Suggested future steps for integrating cloud with larger-variable forecasting models in department-wide presentation.

### Cornell Engineering

*Undergraduate Teaching Assistant*

Ithaca, NY

August 2024 – January 2025

- Expanded on key physics concepts from lecture twice a week, co-leading 20-person cooperative learning sections.
- Underwent 15-week training session focusing on differential learning, communicative responses, student engagement.

### Blick Productions

*Translation Assistant*

Paris, France

July 2022

- Ensured linguistic emotional and informational consistency between French, Polish, and English movie scripts.
- Finalized work on translated films featured in Rome MIA 2022 producer conference.

## LEADERSHIP AND EXTRACURRICULARS

### Cornell Design Build Fly

*Propulsion Subteam Lead*

Ithaca, NY

May 2024 – Present

- Designed and implemented program to iteratively assess various propulsion and electronic system configurations.
- Led 6-person subteam: delegated, tracked, and supervised tasks in weekly meetings.
- Presented and directed subteam through 3 critical design reviews to justify design and component decisions.

*Member of the Propulsion Subteam*

September 2023 – May 2024

- Planned and fabricated the electronics integration piece, justified design in 60-page competition report.
- Helped identify battery and motor specifications for required aircraft speed and payload capacity.
- Led propeller static thrust tests, ensuring the achievement of necessary flight time and maximum force.

*Member of the Piloting Subteam*

September 2023 – Present

- Aided in test-flight aircraft main fuselage, wing, and electronics assembly.
- Tested aircraft servo, motor, and flight function on runway line in Wichita, Kansas 2024 competition.

### C-Salt

*Member of the Mechanical Subteam*

Ithaca, NY

Aug 2024 – Present

- Prepared comprehensive CADs of high-pressure water compressor for U.S. DOE's Marine Energy Collegiate Contest.
- Analyzed design ramifications for wave-energy converter systems powering ocean-water desalinators in Guam.

## SKILLS & INTERESTS

- Languages: English (C2), Polish (C2), French (C1), German (B1).
- Skills: Java, Python, CAD (SolidWorks), Machine-Shop Trained, Data Analysis, Engineering Sketching, ANSYS.
- Interests: Languages, Art, Aviation, History, Guitar.
- Other: U.S. and Polish (EU) citizen.