


## **Simon Bosslet**

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## **Education**

Purdue University – West Lafayette, IN

B.S. Computer Science, Minor in Information Studies, Expected May 2028

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## **Experience**

Allison Transmission – Speedway, IN | Jun 2025 – Aug 2025

Calibration & Validation Engineering Intern

- Analyzed thousands of hours of customer data to inform various calibration strategies.
  - Processed large datasets to support development of a battery model for system simulation
  - Created autotesting tools to validate diagnostics and streamline quality assurance processes.
  - Built a diagnostic testing tool to evaluate complex system diagnostics for recent software release, complete with documentation for utilization in future validation.
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## **Projects**

Revere: Civic Engagement Mobile Platform | 2025 – Present

[revere.social](https://revere.social)

Co-Founder, Project Manager & Lead Developer

- Developing a mobile platform that mobilizes members to take legislative action.
- Managing a team including 2 co-developers, a marketing lead and a digital artist.
- Designed backend infrastructure and analytics dashboards for organizations.
- Finalists in the Purdue Innovates Moonshot Challenge, runners-up in the Earth category

Signals in the Noise: Python Tools for Social Media Data | Spring 2025

- Built tutorials for collecting and analyzing social media data with Python.
- Created codebooks for Reddit and Telegram data scraping and CSV export.
- Developed website using Jupyter Book for accessible workflows in digital research.

Python for Social Researchers | Fall 2024

- Produced guides for researchers to collect/analyze misinformation data in Python.
  - Focused on applying Python to digital research on the 2024 U.S. election.
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## **Activities**

### **Purdue Triathlon Club**

- 10-12 hours a week of training since August 2024.
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## **Skills**

- **Programming Languages:** Python, Java, C, C++, Typescript, JavaScript, SQL, HTML, CSS, R
- **Web & App Development:** React, React Native, Flask, Supabase, RESTful APIs
- **Databases & Data Analysis:** MySQL, PostgreSQL, MongoDB, Pandas, NumPy, Matplotlib
- **Testing & Automation:** Pytest, Selenium
- **Tools & Version Control:** Git/GitHub
- **Other:** CAPL, Matlab, GTFS Realtime data