

Jackson Bialecki

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EDUCATION

University of Cincinnati, Cincinnati, Ohio

May 2029

Bachelor of Science in Computer Science, 5-Year Co-op Program

GPA: 3.44/4.00

- Data Structures, Intro to Computer Systems, Information Security & Assurance, Discrete Structures

EXPERIENCE

Computer Science Engineer Intern

May 2026 – August 2026

Voyage Foods

Mason, OH

- Built and expanded a production manufacturing dashboard integrating Cin7 Core ERP, SafetyChain QA, Ignition SCADA, and PostgreSQL data into one centralized React interface
- Migrated PLC tag storage from **SQLite to PostgreSQL** and visualized **200+ Ignition tags** across **10+ production machines** for analysis, graphing, and plant floor performance monitoring

Full Stack Developer Co-op

August 2025 – December 2025

London Computer Systems

Cincinnati, OH

- Resolved **30+ production tickets** involving bug fixes, feature enhancements, and database updates across Angular front ends, C#/.NET APIs, and SQL-backed systems
- Collaborated with a **50+ engineer team** through code reviews, sprint planning, peer debugging, and production issue investigation in an Agile development environment

Full Stack Developer

May 2023 – June 2025

JAKAPA

Remote

- Built a full-stack **Edlink API** integration linking JAKAPA's **Angular** platform to **Canvas LMS**, enabling automated student enrollment, single sign-on, and one-click access to assigned activities
- Engineered **Node.js** backend services and scheduled **cron jobs** to sync rostering and assignment data into **PostgreSQL**, keeping student records consistent between Canvas and JAKAPA

Database Manager

August 2023 – October 2024

American Equity Funding, Inc.

Remote

- Managed investor and financial data across multiple databases while maintaining data integrity, security, and reporting accuracy
- Migrated legacy **Microsoft Access workflows to PostgreSQL** and built Java tools that allowed non-technical staff to safely query and update records

TECHNICAL SKILLS

Languages: C#, Java, Python, C, C++, SQL, JavaScript, HTML/CSS, MATLAB, VBA

Frameworks: React, Angular, Node.js, Flask, .NET

Databases & Cloud: PostgreSQL, Google Cloud SQL, Google Cloud Scheduler, SQLite, Microsoft Access, pgAdmin, HeidiSQL

Industrial Systems: Ignition SCADA, Ignition Tag Historian, OPC-UA, Siemens S7 PLCs, Cin7 Core ERP, SafetyChain QA

Tools & Concepts: Git, Visual Studio, VS Code, REST APIs, API Integration, Database Design, SSL/TLS, Full-Stack Development

PROJECTS

NEAT Flappy Bird | *JavaScript, p5.js, NEAT Algorithm, Git*

June 2023 – August 2023

- Built an AI-driven Flappy Bird simulation using the NEAT algorithm to evolve neural network agents over multiple generations

Simulated Finance Website | *Python, Flask, SQL, HTML, CSS*

June 2022 – July 2022

- Developed a Flask web app with SQL-backed authentication, account storage, stock lookup, and simulated buy/sell functionality

AVAILABLE FOR CO-OP: SPRING 2027