

JOSEPH DAUGHERTY

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EDUCATION

Bachelor of Science, Computer Science, Purdue University

Expected May 2026

Concentration in Security & Software Engineering, Minor in Forensics & Mathematics

Honors: 3.5/4.0 GPA, Dean's List and Semester's Honor

Certificates: Certified SAFe Practitioner 5.1

RELEVANT COURSEWORK

- Problem Solving And Object-Oriented Programming (**Java**) • Programming in C (**C**) • Multivariable Calculus
- Systems Programming • Data Structures and Algorithms (**Java**) • Computer Architecture (**x86-64 Assembly**)

EXPERIENCE

Software Development Intern

May 2023 - August 2023

Humana Inc.

Louisville, KY

- Collaborated on a team utilizing Scaled Agile methodologies to automate the fulfillment and delivery process of over 600,000 mail-order prescriptions daily.
- Developed Java programs to replace SQL stored procedures, leading to decreased order fulfillment time by over 500% and increased order throughput.
- Analyzed and documented insufficiently catalogued legacy code through Azure DevOps stories, resulting in greater team understanding of code workflow.

PROJECTS

Purdue Launchpad Website Website for Purdue Launchpad club, with information on the club's organizers, past mentee projects, social events, and sponsorship information. Created using the ReactJS framework. ([View it here](#))

Simple C Compiler Developed as the final project for Computer Architecture course. The compiler supports essential C language features, including Boolean expressions, loops, if statements, arithmetic operations, modulo division, and C-style arrays. Created in whole using C and x86-64 Assembly.

LEADERSHIP

Purdue University LaunchPad Organizer

- Spearheaded the largest CS undergraduate extracurricular club of over 60+ undergraduate mentors and mentees in service of completing a technical project mentees are passionate about under the mentorship of an upper-classman.
- Aided in increasing mentor and mentee recruitment by over 30% in one year through social media activity on Instagram and LinkedIn, increasing follower count on Instagram by more than 50%.

Humana Volunteer Action Committee

- Led a committee of self-organized Humana Summer IT Interns in volunteering efforts to give back to the Louisville community.
- Worked with The Salvation Army's Red Kettle Cafe to organize weekend trips of interns to aid in fighting local food insecurity.

SKILLS

Languages

Java, JavaScript, C, C++, HTML/CSS, x86-64 Assembly, Bash, shell

Technology

git, vim, Eclipse Oxygen, IntelliJ IDEA, LaTeX, Azure DevOps, ReactJS, Microsoft SQL Server