

# LUKE CHIGGES

317-694-2943 | luke@chigges.com | GitHub: CtrlAltDelight | Indianapolis, IN

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## RELEVANT EXPERIENCE

### INTERN, MILWAUKEE TOOLS, MILWAUKEE, WI

June 2022 – August 2022

- Developed a functional PCB testing device that was further refined and implemented companywide.
- Worked effectively within a team of 3 engineers and 5 technicians and cooperated with other departments.
- Demonstrated significant value to the company, resulting in a full-time job offer.

### INTERN, NEWR COMPANY, GREENFIELD, IN

June 2023 – August 2023

- Assisted in PCB assembly and design, conducted research on materials and components, and developed firmware for STM32 microcontrollers for Bluetooth Low Energy (BLE) communication.
  - Showcased versatility and technical skills in a startup environment.
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## ADDITIONAL EXPERIENCE

### HEAD TEACHING ASSISTANT, PURDUE UNIVERSITY

January 2022 – May 2024

- Held office hours, graded quizzes, answered student questions, performed regrades, mentored new assistants, improved the in-house grading platform built with Python, SQL, and Bash.
- Selected for the role typically reserved for graduate students due to demonstrated competence and reliability.

### CO-AUTHOR, PURDUE UNIVERSITY

January 2024

- Title: "Signing in Four Public Software Package Registries: Quantity, Quality, and Influencing Factors"
  - Contributed to the writing and research of the paper, focusing on extracting analyzable data from large databases.
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## SKILLS

**PROGRAMMING** | C • Python • Bash

**FRONT-END DEVELOPMENT** | ReactJS • Svelte • TypeScript • HTML • CSS • Tailwind • Bootstrap

**BACK-END DEVELOPMENT** | NodeJS • Flask

**MISCELLANEOUS** | Git & GitHub • Docker • Linux • Amazon AWS • Google Firebase • iOS Development

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## EDUCATION & CERTIFICATES

### B.S., COMPUTER ENGINEERING, PURDUE UNIVERSITY, WEST LAFAYETTE

May 2024

- Concentrations: Software Engineering, Computer Systems.

### CERTIFICATE IN ADVANCED REACTJS, PURDUE UNIVERSITY, WEST LAFAYETTE

February 2024

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## INTERESTS

Guitar • Arch Linux • Movies • Gaming • Craft Beer