

# LUKE CHIGGES

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

---

## OBJECTIVE

A detail-oriented and passionate software engineer seeking to use my experience in software development, along with my proficiency in React.js and RESTful APIs, to contribute to innovative projects at a forward-thinking company, driving technological advancements, and delivering impactful solutions.

---

## SKILLS

**PROGRAMMING** | C • Python • Bash • Java • JavaScript

**FRONT-END DEVELOPMENT** | React.js • Svelte • TypeScript • HTML • CSS • Tailwind • Bootstrap

**BACK-END DEVELOPMENT** | Next.js • Node.js • Flask • RESTful API • Jest • Open Source

**MISCELLANEOUS** | Git & GitHub • STM32 • Docker • Linux • Amazon AWS • Google Firebase • iOS Development

---

## RELEVANT EXPERIENCE

### ENGINEERING INTERN, NEWR COMPANY, GREENFIELD, IN

June 2023 – August 2023

- Assisted in PCB assembly, conducted research on materials and components, and developed firmware for STM32 microcontrollers for Bluetooth Low Energy (BLE) communication.
- Debugged software and identified code defects in both product firmware and React.js software.

### ENGINEERING INTERN, MILWAUKEE TOOLS, MILWAUKEE, WI

June 2022 – August 2022

- Developed a functional PCB testing device that was further refined and implemented company wide.
  - Collaborated with engineering tech leads and cooperated with other departments to validate requirements and approaches.
  - Thrived in an Agile environment, adapting to iterative development and continuous feedback.
- 

## ADDITIONAL EXPERIENCE

### HEAD TEACHING ASSISTANT, PURDUE UNIVERSITY

January 2022 – May 2024

- Functioned as a leader to other teaching assistants and provided guidance and mentorship to new assistants.
- Held office hours, contributed to instructor lesson plans, led weekly meetings, and improved the in-house grading platform built with Python, SQL, and Bash technologies.
- 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.
- 

## 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