

# Elijah Turany

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## Objective

To obtain an internship in a computer engineering, software engineering, computer science or related field for summer of 2025

## Education

### University of Wisconsin Stout

Menomonie, WI

Graduating May 2026

- Bachelor of Science- Computer and Electrical Engineering (Computer Engineering Concentration)
- Bachelor of Science- Computer Science (Interdisciplinary Concentration)
- Minor in Mathematics
- Minor in Physics
- Honors Student
- GPA: 3.91
- Four Star Recognition List (3-time recipient)
- Dean's List (4-time recipient)

### Chippewa Valley Technical College

Eau Claire, WI

Technical Diploma- IT Software Development Specialist

May 2022

## Skills

- C/C++/C#
- Python
- SQL
- Java
- Linux
- JavaScript
- Qiskit
- Object Oriented Programming
- Verilog
- Jupyter
- HTML
- CSS
- TensorFlow
- Excel
- Git
- Solidity

## Courses

- Operating Systems
- Applied Electromagnetics, Physics II
- Embedded, Microprocessor, and Digital System Design
- Quantum Computing
- Software Engineering Principles
- Computer Architecture
- Algorithms, Data Structures
- Relational Databases
- Signals and Systems
- Digital Logic
- Circuit Analysis and Design

## Experience/Projects

### Digital R-E-D

Menomonie, WI

IT Asset Disposition- Urban Miner Internship

May 2024 – September 2024

- Processed electronic waste devices in roughly a dozen ways to be reused and recycled
- Collaborated with two coworkers to develop device processing workflow as facility came online
- Utilized automated Python and batch scripts, BIOS configurations, custom operating systems, and PowerApps to responsibly dispose of customer data
- Performed diagnosis, configuration, repair, disassembly, and reassembly on hundreds of desktops, laptops, servers and tablets, among other devices
- Streamlined wiping, scrapping, and documenting processes to increase facility throughput and process efficiency

### Publishing Expense Tracker Software- UW Stout Honors Project

University of Wisconsin Stout

February 2024 – Present

- Strengthening teamwork skills by collaborating with a peer to plan and develop software
- Coordinating with a mentor to maintain project timeline and obtain support if needed
- Specifying system requirements using the software engineering process
- Utilizing Python and a SQL database to implement expense tracker
- Increasing proficiency with Python, Python libraries, and SQL databases

### Dual Code Lock Box- Microprocessor System Design

University of Wisconsin Stout

May 2024

- Coded and built a lockbox utilizing a microprocessor, keypad, potentiometer, and LCD screen
- Wrote bare-metal C code on microprocessor to handle I/O devices and program logic
- Implemented dial-combination and keypad locks using state machines
- Displayed lock state, entered code, and dynamic instructions on screen

## Involvement

### Stout Student Association

University of Wisconsin Stout

Financial Affairs Committee Vice Chair / Senator at Large

September 2023 – Present

- Representing all students on campus through standing and shared governance committees
- Advising the Chancellor on the allocation of segregated fees
- Allocating roughly \$500,000 through the student organization budget process

## Awards

### Stout Honors College

Fall 2022 – Present

Cornell High School Valedictorian

May 2022