

Grace Gundrum

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Education

Lehigh University

Major - Computer Science and Engineering (GPA 3.67) / Bethlehem, PA / May 2021 - May 2023

- Relevant coursework: Linear Methods, Programming and Data Structures, Software Engineering, Foundations of Discrete Structures and Algorithms, Computer Organization Architecture, Programming Languages, Web Design, Probability and Statistics, Foundations of Robotics, Programming in Linux and Windows, Intro to Data Science, Operation System Design, Computer Graphics, Design and Analysis of Algorithms, Web Systems Programming, Database Systems Algorithms and Applications

Northampton Community College

Major - General Studies (GPA 3.92) / Bethlehem, PA / 2017 - 2021

- Earned 63 credits that all transferred to Lehigh University

Professional Experience

IDEAL Semiconductor

Tester / Bethlehem, PA / 2020 - Present

- Conducted semiconductor wafer testing with MPI TS3000 Automated Probe System
- Analyzed microchip samples using scanning electron microscope (SEM)
- Enhanced VBA program for Tektronix 370A curve tracer data in Excel

Power BI Dashboard Project

Contractor / Bethlehem, PA / Jan 2019 - Jan 2020

- Developed visuals for a supply chain analytics project
- Designed user interface for improved data comprehension

Leadership Experience

Lehigh University

Teaching Assistant for ENGR010 / Bethlehem, PA / Jan 2022 - May 2022

- Graded 100+ Python assignments, showcasing expertise in Python programming
- Tutored 40+ students during weekly office hours, providing valuable assistance in course material

Parkland High School

Volunteer Wrestling Coach / Allentown, PA / Aug 2020 - May 2021

- Assisted head coach in training 40-50 wrestlers, fostering skill development
- Provided hands-on instruction and technique demonstrations for effective coaching

Finishers MMA

Assistant Instructor / Bethlehem, PA / Jan 2010 - Jan 2021

- Aided jiu-jitsu classes for children and adults, contributing to learning environment
- Managed closing procedures, ensured building security, and guided students' progress

Personal Projects

Farm Ecommerce Application

- Created an online farm animal marketplace using React, combining technology and agriculture seamlessly
- Integrated Commerce.js for a user-friendly shopping experience with easy cart management
- Implemented Stripe integration for secure and functional checkout process, including order confirmation and email notifications

Budget Tracker App

- Developing a React and Firebase-based budget tracker app for efficient financial management
- Enabling user login, recording income/expenses, editing/deleting entries, personalized categories
- Hosting on Firebase for seamless access and user convenience

Test Time Calculator

- Crafted a web-based test time calculator using HTML, CSS, and JavaScript
- Hosted on GitHub Pages, the tool efficiently calculates semiconductor wafer testing time
- Provides end-time estimation for streamlined testing process management

Skills

Technical

- Microsoft Office, Illustrator, Photoshop, HTML/CSS, JavaScript, MATLAB, R, React, Figma, Python, SQL, Java, JDBC, Ajax, jQuery, C++, VBA, Power BI, Cinema 4D, Flutter, Git, PLSQL, WebGL