

## Grace Gundrum

[grace.gundrum@gmail.com](mailto:grace.gundrum@gmail.com) | 610-417-9206 | [linkedin](#) | [Personal Site](#)

## Education

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### Lehigh University

*Major - Computer Science (GPA 3.67) / Bethlehem, PA / June 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 / June 2017 - May 2021*

- Earned 63 credits that all transferred to Lehigh University

## Professional Experience

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### IDEAL Semiconductor

*Tester / Bethlehem, PA / March 2021 - 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

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### 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 & Class Projects

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### Watched Anime Dashboard

- Created Tableau dashboard for tracking watched anime, featuring multiple pages for insights.
- Compared personal scores with user ratings, summarized genre exploration, and showcased viewing history.
- Organized visualization aids in keeping track of watched shows and understanding preferences.

### Python MAL Data Pull

- Developing Python program for generating and refreshing access tokens from MyAnimeList API.
- Utilized token to retrieve anime-related data, storing it in Excel/CSV files.
- Implementing data cleaning features for organized data management and analysis.

### CSE 341 - Hotel Management System Development

- Developed hotel management system using Java, SQL, JDBC, and SQL Developer.
- Designed relational database schema for efficient management of reservations, guest details, and room availability.
- Integrated Java and SQL, utilizing JDBC API for seamless communication with the database.

## Skills

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### Technical

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