

Liam Liden

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Education

Bachelor's in Computer Science and Economics

August 2017 - May 2021

Grinnell College

Cumulative GPA: 3.91

Selected Coursework: Macroeconomics; Microeconomics; Econometrics; Game Theory; Computer Science: Object Oriented Design; Software Development

Work Experience

Student Researcher

May 2019 - Present

Grinnell College Mentored Advanced Project

- Develop stats-based educational games in **Unity** for use in introductory and advanced statistics courses
- Design and implement full software architecture for UI, gameplay, and graphics
- Document and design a user experience and lab worksheets for both educators and students
- Present progress reports to department and Professor leading the research project

Student Leader

August 2017 - Present

Grinnell College Information Technology Services

- Operate front desk and phone-based customer service for technical issues
- Analyze and create tickets in to organize troubleshooting plans
- Supervise student employees during shifts while organizing their work schedules and tasks
- Meet with upper management and other student leaders to plan long term service desk projects

Projects

Defenders Statistics Game

May 2019 - Present

Grinnell College Mentored Advanced Project

- Create statistics education game using **C#** and **Unity**
- Provide long-term service through patches and implementation of new features tested by classroom demos
- Build **PHP** and **MySQLi** database to support data collection, organization, and storage for statistical analysis and game features such as saving or leaderboards

Giving Gardens Website

January 2019 - May 2019

Imagine Grinnell

- Developed web application to support and spread information about local giving gardens
- Wrote database and backend code using **Ruby** alongside a team utilizing the **Agile Development Cycle**

Breast Cancer Prediction Program

October 2017 - December 2017

Grinnell College

- Created a program in **Scheme** using the **Perceptron Machine Learning** algorithm to classify tumors as either malignant or benign with 97.4% accuracy

Skills

Languages: Scheme, C, C#, PHP, SQL, Ruby, Rails, and Java

Software: Eclipse, Android Studio, Unity, and Github