## Contact
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annielytical.com

# Annie Robison

## EDUCATION

### MS in Computer Science
(March 2023)
University of California, Davis,
4.0 GPA
Advisor: Professor John Owens

### BA in Economics-Mathematics (Sept 2015)
Whitman College, *summa cum laud*, 3.94 GPA

## TEACHING

### Teaching Assistant
- Gameplay Programming (Spring 2022)
- Machine Learning (Winter 2022)
- Computer Organization & Machine-Dependent Programming (Summer 2021)
- Interactive Media II (Spring 2021)

### Associate Instructor
- Interactive Media I (Fall 2021)

## TECHNOLOGY

- Python
- C / C++
- CUDA
- SQL
- PHP
- Bash
- JavaScript
- x86 Assembly
- R
- C# / Unity

## RESEARCH EXPERIENCE

### Gunrock (Jan 2022 - Present)
- Develops GPU graph applications built with C++ and CUDA for the open-source Gunrock framework
- Modifies the existing code base to support built-in performance analysis and improve how the framework reads and represents input graphs
- Documents the process and conducts performance analysis in a technical project report: *Testing and Programmability of a GPU Graph Framework*

## INDUSTRY EXPERIENCE

### PinPoint Research
**Senior Software Developer** (June 2022 - Present)
**Programmer Analyst** (November 2016 - June 2022)
- Owns the development of automatic speech recognition products, from building backend Python APIs to creating frontend JavaScript-based interfaces
- Builds data migration pipelines to / from clients and vendors including custom PHP / Python APIs, Bash file deliveries, and PHP web reports
- Designs PostgreSQL database schemas according to project needs
- Writes and optimizes database queries

### Plexuss.com
**Data Scientist** (Feb 2016 - Nov 2016)
- Developed machine learning algorithms to match prospective students with their best-fit colleges
- Implemented backend logic for various components including the sign-up flow, college search tool, and student matching process in an MVC environment
- Automated tasks for sales team with Python scripts

### BetterHelp.com
**Analyst** (July 2015 - Feb 2016)
- Gathered insights from user data with MySQL and R to improve acquisition and retention efforts
- Designed and developed landing pages
- Performed A / B tests for funnel optimization
- Managed marketing channels with $100k+ monthly spend