

# DANIEL ZIEGLER

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354 Longstreet Drive, Gettysburg, PA 17325

## EDUCATION

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### Gettysburg College

B.S. in Computer Science, Minors in Data Science & Mathematics  
GPA: 3.84

Gettysburg, PA  
Anticipated Graduation: May 2021

### Pablo de Olavide University/CIEE Abroad

International Business & Culture

Seville, Spain  
Fall 2019

## TECHNICAL SKILLS

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### Languages

Java, Javascript, Python, PHP, C++

### Software & Tools

Git, HTML, LaTeX, Mathematica, MySQL

## WORK EXPERIENCE

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### Software Intern

*Scope Ink*

September 2019 - December 2019

*Seville, Spain*

- Created visualizations and improved UI design using ReactJS to help measure the productivity and workflow of software development teams.
- Wrote complete documentation and debugged the current software platform while communicating with development team in both English and Spanish.

### Back-End Developer

*Department of Information Technology*

May 2019 - August 2019

*Gettysburg College, Gettysburg, PA*

- Designed and implemented a software prototype for a finance startup using HTML, Javascript, MySQL, and PHP with a team of 4 members.
- Built relationship with client through video conferences and offline discussions in order to translate their business ideas into technical solutions.

### Teaching Assistant

*Department of Computer Science*

January 2018 - May 2019

*Gettysburg College, Gettysburg, PA*

- Provided assistance to students in class with debugging.
- Held office hours for students to receive help and reinforce programming concepts.

### Undergraduate Research Fellow

*Cross-Disciplinary Science Institute*

May 2018 - August 2018

*Gettysburg College, Gettysburg, PA*

- Iterated through a combinatorial optimization to generate high-quality Birds of a Feather solitaire card puzzles.
- Published and presented research paper at the Ninth AAAI Symposium on Educational Advances in Artificial Intelligence (EAAI-19).

## RELEVANT COURSEWORK

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Data Structures & Algorithms

Computer Organization & Assembly

Principles of Database Systems

Artificial Intelligence

Networks

Theory of Computation

Linear Algebra

Wavelets & Their Applications

Probability & Statistics

Entrepreneurial Thinking

## ADDITIONAL EXPERIENCE

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### Vice President

*Association for Computing Machinery*

May 2019 - Present

*Gettysburg College, Gettysburg, PA*

## PROJECTS

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### **Deskball Mobile App**

Fall 2020

- Acted as Project Manager for Capstone course where we developed a Flutter prototype for a soccer based application.

### **Event Ticketing System**

Spring 2019

- Web-based database management system for concert and event ticketing.

### **Traffic Lights Game**

Spring 2018

- An implementation of the two-player abstract strategy game using Unity.