

# DANIEL ZIEGLER

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## EDUCATION

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### Gettysburg College

B.S. in Computer Science, Minors in Data Science & Mathematics

GPA: 3.84

Gettysburg, PA

Graduation Date: May 2021

### Pablo de Olavide University

CIEE International Business & Culture

Seville, Spain

August - December 2019

## TECHNICAL SKILLS

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### Languages

Java, Python, HTML, CSS, JavaScript, SQL

### Version Control

Git

## WORK EXPERIENCE

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### Summer Intern

*Deloitte Consulting*

July 2020

*Virtual*

- Developed professional presence and team communication skills for remote work.
- Leveraged design thinking to construct a new idea and pitch the winning solution for a startup competition.

### Software Intern

*Scope Ink - Andaluca Open Future Startup*

September - December 2019

*Seville, Spain*

- Created visualizations and improved UI design using CSS and ReactJS to deliver metrics for productivity and workflow on GitHub repositories.
- Wrote documentation and debugged software while communicating with development team in both English and Spanish.

### Back-End Developer

*Gettysburg College Department of Information Technology*

May - August 2019

*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

*Gettysburg College Department of Computer Science*

January 2018 - May 2019

*Gettysburg, PA*

- Assisted in teaching course material and helped students to debug code.
- Held office hours for students to receive help and reinforce programming concepts.

### Undergraduate Research Fellow

*Cross-Disciplinary Science Institute at Gettysburg College*

May - August 2018

*Gettysburg, PA*

- Iterated through a combinatorial optimization creating a Stochastic Local Search 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

Entrepreneurial Thinking

Applied Data Science

Kaggle Data Science Competitions

Theory of Computation

Wavelets & Their Applications

Probability & Statistics

Computer Networks

Data Science Programming

Procedural Content Generation

## ADDITIONAL EXPERIENCE

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### **Food Truck Entrepreneur**

*Ziggy Donutz*

June 2020 - Present

*Adams County, PA*

- Design and build a food truck serving fresh donuts and happiness.

### **Disc Jockey & Entertainment Specialist**

*Ziegler's Mobile Entertainment*

May 2011 - Present

- Design, build, and maintain mobile DJ systems including sound, video, and DMX lighting.
- Perform at events of various sizes.
- Opened for artists including Sammy Adams and Travis Porter.

### **Vice President**

*Association for Computing Machinery, Gettysburg Chapter*

May 2019 - Present

*Gettysburg, PA*

- Facilitate tutorials, hackathons, and general club meetings.

### **Live Performance Coordinator**

*Gettysburg College Campus Activities Board*

January 2019 - May 2020

*Gettysburg, PA*

- Organized a committee to plan, book, and host live performers on campus.

## PROJECTS

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### **Deskball Mobile App**

Fall 2020

- Soccer-based mobile application prototype built using Flutter and Firebase.

### **Springfest Ticketing System**

Spring 2019

- Web-based QR code ticketing system developed using HTML, Javascript, MySQL, and PHP.

### **Traffic Lights Game**

Spring 2018

- An implementation of a two-player abstract strategy game created with Unity.