

# Ben Zarom

267-403-6568 | Bez20@pitt.edu | 549 Haverford Road, Wynnwood, PA 19096

## EDUCATION

- **August 2020 - Expected May 2024.**
- **University of Pittsburgh, Pittsburgh, PA | Bachelor of Science in Computer Science | Applied Statistics Minor**
- **Junior | Cumulative GPA: 3.71 | 2021 Fall Dean's List.**

## KEY SKILLS

Java Programming, C Programming, HTML/CSS/JavaScript Programming Languages, MIPS Assembly Language, Artificial Intelligence, BMC Control -M Enterprise Scheduler, Excel, Google App Engine, Data Analytics, Statistical Analysis, Operating Systems Solutions, Algorithm Implementation, Computer Architecture, Encryption, Project Management, Data Communication & Presentation, Fluent Hebrew Speaker.

## PROJECTS

- **Connect 4 Multiplayer Game | September 2022.**
  - Designed Connect 4 program through google app engine.
  - Incorporated **HTML, CSS and JavaScript** elements for front end development.
- **Auto Complete Program | March 2022.**
  - Implemented a **De La Braindias Trie** using Java programming that stores words implicitly through keys. Used a **recursive algorithm** to identify the correct placement of a letter to create a defacto dictionary. Improved overall runtime of program by reducing number of searches required.
- **Black Jack Simulation | May 2021.**
  - Architected Black Jack program using **inheritance and polymorphism**, integrated a variety of independent classes that execute a specified number of simulations.
  - Demonstrated strong understanding of **object oriented principles**.

## WORK EXPERIENCE

- **The Clearing House | Database Enterprise Systems Intern | June 2022-July 2022**
  - Automated workflows in **BMC Control -M** for a variety of infrastructure processes at The Clearing House.
  - Wrote and edited Scripts that **automate a Database Failover** in Control -M.
  - Rebuilt the Control -M training course to enable easier and more effective onboarding.
- **University of Pittsburgh | Hebrew Teaching Assistant | August 2022-Present**
  - Mentor and Assistant Teacher for Hebrew levels 1-4, for Dietrich School of Arts and Sciences.
  - Created comprehensive study plans for students as well as teaching Hebrew language and history at a high level.
- **Chabad | Sinai Scholars Head Recruiter | August 2022-Present**
  - Organized networking events to encourage registration and participation for Sinai Scholars semester long course.

## RELEVANT COURSES

Advanced Data Structures and Algorithms(I&II), Programming Languages for Web Applications, Database Management, Introduction to System Software, Introduction to Operating Systems, Computer Organization and Assembly Language, Calculus (I&II), Applied Statistics.

## LEADERSHIP EXPERIENCE

- **Sigma Phi Epsilon| Balanced Man Scholarship Chairman | August 2022-Present**
  - Distributed 1600 dollars in scholarships to underclassmen exhibiting strong values and leadership potential.
- **Israeli Leadership Academy Member |Kiryat Gat, Israel | September 2019-July 2020**
  - Coordinated and planned large scale events for academy alumni featuring influential guest speakers.
  - Delivered educational presentations to peers enabling insightful discussions on the boundaries and benefits of freedom of speech.
- **September 2018-June 2019 | Israel Scouts Youth Leader|| Wynnwood, PA**
  - Coordinated "Taste of Israel" events with local Hebrew schools as fundraisers, 1000 dollars raised total.