

Kadin Matotek

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EDUCATION

Strath Haven High School

Wallingford, PA

High School Diploma

Graduation: 5/2022

- Clubs and Organizations: Ice Hockey, Track and Field, and Soccer.
- Relevant Coursework: Computer Science Principles

West Chester University of Pennsylvania

West Chester, PA

B.S. in Computer Science

Expected Graduation: 5/2026

- Minor: Mathematics
- GPA: 3.94/4.0
- Clubs and Organizations: Omicron Delta Kappa, Computer Science Club, and Club Ice Hockey.
- Relevant Coursework: Discrete Mathematics, Computer Systems, Computer Security, Data Structures and Algorithms, AI, Software Engineering, Data Communications and Networking, Cloud Computing, Calculus I and II, Linear Algebra and Applied Statistics.

PROJECTS

Email Classifier | *Java*

Oct 2023

- Achieved 89% prediction accuracy in distinguishing legitimate emails from spam across a dataset of 5,000 emails by calculating distances between individual emails and clusters.
- Implemented Java GUI enabling users to assess email authenticity and calculate distances between individual emails and/or email groups.
- Integrated a range of classification techniques, including nearest neighbors and Euclidean distance calculations, to improve adaptability and strengthen analytical precision.

Happy Programming Language | *Java*

Nov 2024

- Designed and developed “Happy”, a custom programming language featuring support for variable assignments, conditional expressions, loops, functions, list operations, and string formatting, aimed at providing a clean and concise syntax compared to other common programming languages.
- Documented the development and syntax through knowledge base documentation, allowing for anyone to learn the syntax, built in functions, and everything needed to know to start developing with this language.

2D Unity Game | *C#, Unity*

Oct 2023

- Developed a 2D video game inspired by *The World’s Hardest Game*, incorporating challenging level design and precise player controls.
- Designed and implemented multiple levels with increasing difficulty to test players’ reflexes and problem-solving skills.
- Conducted play-testing to refine game mechanics and enhance user experience based on feedback.

3D Unity Game | *C#, Unity*

Nov 2023

- Developed a 3D game incorporating custom graphics, custom player scripts, and realistic physics simulations in outer space.
- Developed multiple levels, presenting players progressively challenging obstacles to overcome, ensuring continuous skill progression.
- Conducted user testing to get feedback and implemented improvements through updates.

Facial Recognition | *Python*

Feb 2024

- Engineered a real-time face recognition program achieving over 90% accuracy on a structured dataset, providing efficient visual identification.
- Integrated advanced facial detection and recognition algorithms, utilizing libraries to detect and recognize faces in diverse environments.

EXPERIENCE

D.P. Dough West Chester

Mar - Aug 2023

Delivery Driver

West Chester, PA

- Executed over 1,000 customer deliveries with a strong focus on optimizing delivery routes, resolving logistical challenges, and ensuring timely, accurate order fulfillment through advanced problem-solving techniques.
- Utilized problem-solving skills to streamline order management processes and provide customer service.
- Took orders, served customers, addressed inquiries, resolved any issues to ensure the best customer experience.

Vicky's Place

Jun - Jul 2021

Dish Washer

Swarthmore, PA

- Assisted kitchen staff by ensuring a steady supply of clean cookware and dishware during peak hours.
- Maintained a fast-paced and organized dishwashing station to support smooth kitchen operations.
- Trained new employees on proper dishwashing procedures, safety protocols, and kitchen cleanliness standards to ensure consistency and efficiency.

Fort Delco Gym

Jun - Jul 2020

Gym Custodian

Morton, PA

- Maintained cleanliness and sanitation of workout areas, locker rooms, and equipment to ensure a safe and hygienic environment for both members and staff.
- Conducted routine inspections to identify and address maintenance or cleanliness issues promptly.
- Collaborated with staff to uphold gym standards and provide a positive experience for members.

Open Sky Energy

Aug - Nov 2019

Social Media Manager

Swarthmore, PA

- Collaborated with the team to develop marketing strategies and improve social media outreach.
- Developed and scheduled posts to promote solar energy solutions, company updates, and customer success stories.
- Managed and created content for the company's social media platforms, increasing engagement and brand visibility.

VOLUNTEERING

Media Food Bank

Mar - Aug 2023

Volunteer

Media, PA

- Assisted customers by taking food orders and providing a welcoming, supportive environment.
- Retrieved and organized food items based on customer orders to ensure accuracy and efficiency.
- Worked collaboratively with volunteers and staff to maintain smooth food distribution operations.

TECHNICAL SKILLS

Proficient Languages: Java, Python

Familiar Languages: Haskell, C, R, C#, SQL, HTML, CSS, Swift, LaTeX

Developer Tools: R Studio, SPSS, Git, VS Code, Linux, Zshell, Windows, Mac OS, Stack Overflow

Other Familiar Tools: Microsoft Office Suite, Unity