Jeremy Mulia Kurtz

20/6/2004 | kurtzjeremy126@gmail.com | +1 (312) 718-4905 | linkedin.com/in/jeremymkurtz

EDUCATION

Worcester Polytechnic Institute (WPI) - Worcester, MA   *May 2026*
Bachelor of Science in Computer Science, 3.84/4.00 GPA
Under WPI Presidential merit based scholarship

New Trier Township High School (NTHS) - Winnetka, IL   *May 2022*
High school diploma, 4.33/4.67 GPA

Nichols Middle School - Evanston, IL   *May 2019*

Relevant Coursework:
Software Engineering, Human Computer Interaction, Operating Systems, Algorithms, Databases I, Object Oriented Analysis and Design, Intro to Data Science, System Programming Concepts, Intermediate Chinese III,

Activities & Leadership:
President & Founder - *Indonesian Student Association*, WPI
- Administered network; recruited and onboarded 20 students
- Spearheaded external relations and acquired major sponsor, Indomie
- Delivered 1600 servings of sate to Pan Asian Festival

Member - *Society of Asian Scientists and Engineers*, WPI Chapter
Member - *Badminton Club*, WPI

AWARDS

Illinois State Academic Star Honor Society
Service and Leadership Awards
Worcester Polytechnic Institute Merit Presidential Scholarship
SASEHACK 2023, *best use of AI* award

SKILLS

Programming Languages: Typescript, Javascript, PostgreSQL, Java, C, C++,
Software Frameworks: React.JS, Farmer Motion, Tailwind CSS
Applications: Webstorm IDE, Github, VSCode, IntelliJ, Taiga, Figma, Microsoft Office

PROJECTS AND MAJOR INTERESTS

Brigham Women's Navigation Web App, Software Engineering Course   *Mar 2024- Apr2024*

- Created a Web Application prototype including hospital pathfinding, map editor, and multiple service request modules.
- As full stack assistant lead, I was responsible to teach junior developers how to connect front end to back end and design and implement UI on the Navigation Map and Landing Hero Page
- As project manager, I was responsible for managing project tasks, coordinating the team, and keeping all 11 members motivated and on track over the course of 8 weeks.
- Utilized Framer Motion and React to make animations throughout the project

SASEHack 2023, Destressify   *Oct 2023*

- Conceptualized an app to suggest stress-relieving activities for students
- Collaborated on a team of 4 to create this app
- Utilized OpenAI API and integrated GPT-3.5, took user input and output ratings for their emotions
- Won *best use of AI* award

John Conway Game of Life Simulation, Operating Systems   *Sep 2023*

- Created a message passing system between threads
- Communication and synchronization between threads with mutual exclusion using semaphores
- Programmed on a virtual machine using Linux using C++

Presidential Election Simulation, Object-Oriented Design Concepts   *Nov 2022*

- Used LinkedLists to store candidates and hash tables to gather votes, votes contained ranks 1-3
- Program would throw exceptions on duplicate votes
- Collaborated with a partner through Github, coded in Java

Linked List Simulation, Algorithms   *Apr 2023*

- Created a program that simulates a C linked list
- Able to store either integers or chars
- Implemented features: allocating memory, freeing memory, merging storage nodes, reallocating memory