

Mert Can Vural

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Bachelor of Science in Computer Science

2022-2025 May

Major GPA: 3.68 /4.00

Istanbul Technical University

Bachelor of Science in Information Systems and Engineering

2019-2025 May

Cumulative GPA: 3.33/4.00

TECHNICAL SKILLS

Languages: C++, C, Java, R, Python, HTML, CSS, Javascript, React, Node.js, React Native, PHP, X86 Assembly, MIPS

Software and OS: Git, Linux, Vim, GNU Emacs, Logisim, Eclipse, Visual Studio Code

Additional: MySQL, MongoDB, PHPUnit

PROFESSIONAL EXPERIENCE

Arvis Technology, AI/DL Engineering Intern

August 2023 - September 2023

- Lead a team of 8 engineers, utilized agile methodologies and presented the finished project to more than 300 entrepreneurs
- Tested various deep learning models and found the best model to be used with the given dataset through research
- Developed a mobile application using react native and let users detect their car damages with 94% accuracy rate
- Found a crucial error in the testing phase and fixed the accuracy results significantly

PROJECT EXPERIENCE

Parchment, PHP, HTML, CSS, JavaScript, MySQL, phpmyadmin, PHPUnit

- Developed a full-stack application allowing users to create and manage flashcards for their studies
- Conducted unit testing with PHPUnit to ensure reliability and performance
- Managed APIs for seamless interaction between the application and the database, optimizing data retrieval and storage

Class Scheduler, C++

- Developed a terminal-based class scheduler program that allow users to enroll students and add classes to their schedules
- Implemented input validation and error handling to ensure accurate data entry and program stability
- Generated a clear Valgrind report, ensuring efficient memory management and eliminating memory leaks

FloatX, C

- Developed a program that efficiently manipulates double precision floating-point number's bits, reducing their storage space while following the IEEE conventions
- Implemented an efficient compression and storage mechanism for the converted values, ensuring compatibility with special cases like zero, infinity, and NaN

Searching and Sorting GUI, Java

- Designed a GUI application using the Swing library, implemented both the front-end and back-end components
- Displayed the time taken by different algorithms for sorting and searching and provided insight into their efficiency and effectiveness

LEADERSHIP AND CAMPUS INVOLVEMENT

Association of Computing Machinery (ACM),

Binghamton, NY

Member

August 2022 - Present

- Engaged in weekly discussions to deepen understanding of computing trends and emerging technologies

HackBU,

Binghamton, NY

Member

August 2022 - Present

- Participated in hackathons and programming workshops to enhance technical skills and problem-solving abilities

Entrepreneurship Club,

Istanbul, Turkey

Member

September 2019 - June 2022

- Engaged in regular club events and talks