

EMRE CENK

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EXPERIENCE

DECEMBER 2020 – PRESENT

FREELANCE SOFTWARE DEVELOPER

- Worked with 20+ clients from all around the world
- Automated manual processes for excel and word
- Worked with serial ports and interpreted data received
- Created desktop applications for real-time data visualization
- Wrote software for data scraping and analysis
- Tutored several students in coding, specifically the python language

JUNE 2020 – SEPTEMBER 2020

VOLUNTEER, MISSION THRIFT STORE

- Assisted customers with purchasing and resolved inquiries
- Stocked and organized shelves
- Worked as a cashier

EDUCATION

PROJECTED GRADUATION: 2022 JULY

HIGH SCHOOL, SIR JOHN A. MACDONALD S.S., WATERLOO

- 95% average
- 100% in Computer Science
- Active member of the Computer Science, Chess and debate club

AWARDS AND ACHIEVEMENTS

- Placed 132nd (top 1.8%) nationally (4th group honor roll) in the Hypatia 2021 Mathematics Contest
- Ranked 600th (top 2.9 %) nationally in the Euclid Mathematics Contest 2021
- Ranked 315th (top 3.7%) nationally in the Canadian Computing Competition 2021 (a national programming contest)
- Received distinction in national mathematics contests such as Pascal 2019, Cayley 2020, Fermat 2021 and Canadian Senior Mathematics Contest (CSMC) 2021,
- Won best Delegate Award at the TEDMUN conference, 2020 (a model united nations conference)
- Won 4th place in the Province Level Handball tournament in 2019

CERTIFICATIONS

- Completed the 8-month long Introduction to Quantum Computing Course sponsored by IBM

PERSONAL PROJECTS

- **Amazing Engine 3D:**
 - Wrote a 3D engine from scratch. No 3d graphics libraries, no math libraries. All features were built from the ground up.
 - Implemented complex mathematical calculations and algorithms such as triangle rasterization, perspective projection, z-buffering, line clipping, camera movement / rotation and (work in progress) ray tracing
 - The idea first came to life when I realized the fact that the game framework I was using did not have a 3d option. I decided to create one myself.
 - Utilized: Python, Cython
- **Instagram Automation Bot and Website**
 - Wrote a bot to automate my social media account and create personal analytics
 - The bot has come to the point where it can do anything that an actual user can do.
 - The bot offers some statistics analysis features that even Instagram does not offer.
 - I also created a website where anyone can use the bot and analyze their own accounts
 - The idea was created when I could not find any service that would give me my account statistics without asking for my password. This service does not require passwords, and gives you your analytics for free.
 - Utilized: Python, Selenium, Flask, html, CSS, JavaScript, Bootstrap, Heroku
- **Google Translate to Word Document Converter**
 - Created a program that converts a google translate page to an organized, date-labelled word document
 - The document takes the google translate URL and converts it into a word document. This way, you can document the new words you learn without having to keep translate tabs open
 - The idea first came to mind when I saw a family member was using google translate to document the new words that they learned. The problem was that they would lose the words once they closed the tab that they were using. Seeing this, I decided to create program to solve this problem.
 - Utilized: Python, Selenium, python-docx

SKILLS

- Proficient in Python, JavaScript, html and CSS
- Bilingual (Turkish / English)
- Typing Speed of 90 words per minute
- Public Speaking (During the time I did Model United Nations, this skill improved significantly. I've given speeches to crowds with 500+ people in conferences)