

Matthew Tsenkov

Date of birth: 15 May 1997 | **Nationality:** Bulgarian | **Gender:** Male | (+359) 879162273 | matthew.tsenkov@gmail.com | <https://mtsenkov.github.io/> | <https://www.linkedin.com/in/matthew-tsenkov/> | Sofia, Bulgaria

● EDUCATION AND TRAINING

SEP 2016 – APR 2020 – Ypsilanti, United States

BACHELOR OF SCIENCE IN COMPUTER SCIENCE – Eastern Michigan University

Field(s) of study

- Computer Science

3.68/4.00 | <https://www.emich.edu/>

● RELEVANT COURSE PROJECTS

APR 2020

Evil Fortress - Capstone Senior Project (C#, Unity, Git, GitHub)

- Created a 2D Tower Defense game for Azure Ravens Entertainment
- Worked closely with Scrum Master to design and implement features and gameplay requirements
- Participated in time estimations and sprint planning sessions using agile methodologies

<https://conthom25.itch.io/fortress-td-alpha>

APR 2020

Got Dam - Web Game (C#, Unity, Git, GitHub)

- Performed Scrum Master duties by facilitating daily scrum, sprint planning, and improving team efficiency
- Implemented player controller, movement, interaction with the world, level creation, and animations

<https://mtsenkov.github.io/gotdam/>

SEP 2019

Scanner/Parser (C)

- Developed a scanner that lexically analyzes source code by decomposing it into tokens, checking that each token is valid, and performing word level analysis
- Implemented a parser that performs syntax analysis by checking the grammar of statements, the order of the tokens, and analyzing each statement

<https://github.com/mtsenkov/scanner-parser-c-language>

APR 2019

User Database System (Java)

- Developed a database system using various simple and complex data structures and algorithms, such as Ordered Arrays, Linked Lists, and Binary Search Trees

<https://github.com/mtsenkov/database-bst-java>

● WORK EXPERIENCE

MAY 2018 – AUG 2018 – Sofia, Bulgaria

EMBEDDED SOFTWARE ENGINEER INTERN – KONSULKO GROUP

- Created customized Linux distributions using Yocto, allowing them to be small in storage size to reduce the cost of hardware components
- Deployed the distributions on Raspberry Pi and encrypted them using LUKS
- Developed Python scripts to automate tasks and executables

● **PROJECTS**

Laser Defender (Unity, C#)

- <https://mitsenkov.itch.io/space-shooter>
- Developed and deployed a complete 2D space shooter game

Portfolio Website (HTML, CSS, JS, Bootstrap 4)

- <https://mitsenkov.github.io/>
- Built a static website to display my portfolio and hosted it on GitHub Pages

Web Scraper (Python, BeautifulSoup4, Requests)

- Used the BeautifulSoup4 Python Library to extract job data from Indeed in an automated way

● **DIGITAL SKILLS**

Programming Languages:

Java | Python | JavaScript | C | C# | HTML | CSS

Technologies and Frameworks:

NodeJS | MongoDB/Mongoose | JUnit | Git | Jinja2 | VMWare | Github | ExpressJS | Tmux | VirtualBox | Django | Flask | SQLite | Bootstrap | Java Code Coverage (EclEmma)

Design and Development Practices:

Object-Oriented Programming | Agile (Scrum) | paired programming | UML | Functional programming | Test-driven development

● **LANGUAGE SKILLS**

Mother tongue(s): BULGARIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user