

Matthew Tsenkov

+359 879-162-273 | matthew.tsenkov@gmail.com | [linkedin.com/in/matthew-tsenkov/](https://www.linkedin.com/in/matthew-tsenkov/) | mtsenkov.com

EDUCATION

Eastern Michigan University - Ypsilanti, MI

Bachelor of Science in Computer Science, GPA: 3.68/4.0

Minor in Communication

September 2016 - April 2020

RELEVANT COURSE PROJECTS

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

Spring 2020

- 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

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

Spring 2020

- 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

Scanner/Parser (C)

Fall 2019

- 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

User Database System (Java)

Spring 2019

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

WORK EXPERIENCE

Konsulko Group - Sofia, Bulgaria

Software Engineer Intern

May 2018 - August 2018

- 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

PERSONAL PROJECTS

Laser Defender (Unity, C#)

- Developed and deployed a complete 2D space shooter game

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

- 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

TECHNICAL AND LANGUAGE SKILLS

Programming Languages: Java, Python, JavaScript, C, C#, HTML, CSS

Technologies and Frameworks: Node.js, MongoDB, Express.JS, Django, Flask, SQLite, Jinja, JUnit, Git, GitHub, Bootstrap, Java Code Coverage (EclEmma), VMWare, VirtualBox, Eclipse, Unix, Windows PowerShell, Vim, Tmux

Design and Development Practices: Object-oriented programming, UML diagrams, Functional programming, Test-driven development, Scrum, paired programming

Languages: English, Native Bulgarian, basic French

ADDITIONAL EXPERIENCE

Eastern Michigan University - Ypsilanti, MI

Eastern Michigan University Men's Swimming Team

September 2016 – April 2018

- Committed 20-25 hours per week to weight training, skill work, practice, conditioning, and meetings
- Participated in leadership and team building exercises
- Accustomed to performing in high pressured situations