

Taras Zherebetsky

+1 (650) 309-9705 | Aspen, CO

tzherebetsky@fordham.edu | [linkedin.com/in/tzherebetsky](https://www.linkedin.com/in/tzherebetsky) | github.com/TarasZhere

Detail-oriented with a strong focus on Algorithms, Full Stack development, and commitment to maintaining high-quality code. Possessing a wide-ranging skill set, I excel in quickly adapting to new technologies and frameworks.

Education

Fordham University

Master of Science (M.S.) in Computer Science

Concentration in Artificial Intelligence and Software Engineering

New York, NY

Aug. 2022 – Aug. 2023

GPA: 3.83/4

- Full Varsity Swimming Scholarship.
- Earned Summa Cum Laude and Academic All-Conference Honors while swimming ~20 hours / week.
- Won 400 freestyle relay & 400 Medley relay at Atlantic 10 Championships; 2nd in individual 100 Free (school record).

McKendree University

Bachelor of Science (B.S.) in Computer Science

Lebanon, IL

Aug. 2018 – May 2022

- 90% Varsity Swimming Scholarship.
- Dean's list 2018-2022

Experience

Justice International | Vue.js, GraphQL, TailwindCSS

Mountain View, CA

Software Developer Intern

Apr. 2020 – Dec. 2020

- Designed and developed user interfaces that significantly improved user retention by 10% within two months.
- Developed a dynamic and responsive open-source social network web application using Vue.js.
- Managed user interface design and aesthetics with Tailwind CSS to ensure a visually appealing user experience.
- Implemented a GraphQL API to retrieve and update a web application's customer information efficiently.
- Played a crucial role in requirement analysis, design, and implementation stages following Agile SDLC methodologies.

Projects

AmicaBet | Python, Flask, Bootstrap, Docker, Kubernetes, SQLite3, Google Cloud

[GitHub Repository](#)

A betting-oriented **social network** platform which enables its users to engage in diverse gambling activities.

- Developed a social network on top of **microservices** architecture with Flask to server UI with **RESTful APIs**
- Deployed load-balanced app image on Google Cloud with Kubernetes Engine cluster & Docker that scales on users' needs.

Primality Testing API | Python, Flask

isprime.com

Deployed on the cloud **open-source API** for Highly Efficient Primality Testing

- Developed a highly efficient algorithm for huge numbers leveraging Fermat's Theorem and modular arithmetic.
- Achieved exceptional computational speed in identifying prime numbers, reducing time complexity versus traditional tests.
- Utilized mathematical principles and modular arithmetic properties to optimize the algorithm's performance and accuracy.

Diabetes Prediction System | Python, Sklearn, Pandas, Numpy

diabetesanalysis.com

Develop a diabetes prediction system based on certain diagnostic measurements using various **machine learning** models

- Employed various models to construct an accurate diabetes prediction system.
- Conducted extensive training using Decision Tree, Random Forest, Logistic Regression, and Support Vector Machine.

Skills

Computer Languages & Markups: C++, C#, Python, PHP, JavaScript, SQL, bash, PowerShell, XAML, HTML, CSS

Frameworks: Flask, Vue.js, Node.js, Mongoose, React.js, TailwindCSS, Express, Bootstrap, WPF, Git

Programming Skills: Dynamic Programming, Divide and Conquer, Greedy Algorithms, Linear Programming, Full-stack, Machine Learning, Artificial Intelligence, Distributed Systems, Relational Databases, Cloud Computing

Libraries & Modules: scikit-learn, NumPy, XMLRPC, Pandas, Pygame, requests, threading, SQLite, matplotlib

Computing & Virtualization: Google Cloud, Kubernetes, Docker

Certifications: Introduction to Generative AI (Google)