

Demian Prykhodko

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WORK EXPERIENCE:

Unity Bars, Kyiv - .NET Software Engineer Intern

September 2022 – Present

- Unity Bars is a company that specialises in developing software for banks and financial institution.
- Worked on multiple projects for clients across different industries, including marketing, communication, and finance, under the guidance of senior developers such as B.One and a project for Publicis Groupe.
- Assisted in developing and maintaining software system front-end and back-end using technologies such as C#, JavaScript, and SQL.
- Participated in code reviews and debugging sessions among other junior developers, providing feedback and suggestions for improvement.
- Implemented a real-time currency exchange rates feature for a financial services client using C#, JavaScript and RESTful APIs.

Coding Projects:

Computer Science Dissertation – Author

June 2022 – March 2023

Github Project Link: <https://github.com/demianprykhodko/Dissertation-project>

- Project title: "Route planner for electric vehicles".
- Objective: Construct optimal and user-chosen paths for electric vehicles when planning a journey.
- Key features:
 - Algorithm relies on real-time factors and uses statistical models from research papers on EV to optimise outputs .
 - Utilises external systems like Google Maps API and is built as a single-page web application using Node.js as backend, Angular as frontend, and MongoDB as a database.
- Results: Successfully developed and tested the route planner, which accurately calculates optimal routes for electric vehicles based on real-time factors and user preferences, demonstrating your ability to deliver a working software product from start to finish.

VOLUNTEERING EXPERIENCE:

Humanitären Ankunftszentrum der Stadt Wien – Volunteer

March 2022 – March 2022

- Volunteered for a week at Ukrainian refugee centre in Austria, Vienna.
- Performed miscellaneous work, including assistance with the distribution of food and essentials.
- Helped with translation for people who were trying to find accommodation overnight.

EDUCATION & QUALIFICATIONS:

University of Warwick, BSc Computer Science with Business Studies (Expected: 2.1)

Sept 2020 – July 2023

Notable modules: Machine Learning, Artificial Intelligence, Software Engineering, Algorithms, Database Systems.

University of Warwick, Warwick IFP: Computer science (1st)

Sept 2019 – July 2020

Relevant Modules: Computer science, Math & Stats, Pure math.

TECHNICAL SKILLS:

C#:

- Proficiency in C# programming language, including experience with object-oriented programming principles, data structures, and algorithms.
- Understanding of database programming using C# and related technologies such as ADO.NET or Entity Framework.

Node.js:

- Experience using Node.js to develop web applications and APIs, including familiarity with popular frameworks such as Express.js, and Nest.js.

Angular:

- Experience to develop complex web applications, including familiarity with components, directives, services, and pipes.
- Familiarity with web development concepts such as responsive design, accessibility, and SEO

PostgreSQL and MongoDB:

- Experience using MongoDB to store and retrieve data for web applications, including familiarity with database modelling, indexing, and aggregation pipelines.

Other skills:

Additional languages learned and used to accomplish courseworks during university: HTML & CSS, Python, C, MATLAB, Java.
Languages: Ukrainian (native), English (fluent), Russian (native), Italian (fluent), French (Intermediate).