

Yevhenii Shypitsyn

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PROFILE

- Recent university graduate with solid understanding of algorithms and data structures.
- Strong knowledge of **object-oriented design and programming** (Java, C#, C++), **web development** (JavaScript, Express.JS, Node.JS, HTML, CSS, Ruby, Angular, MVC, client-server communication), **relational and NoSQL databases** (SQL, Mongo), **mobile development** (Java for Android, Swift for iOS), and **networking** (TCP/IP, UDP).
- Native speaker of Ukrainian and Russian, fluent in English.

PROJECTS

- **Productivity App (2022)**. An **iOS** application written in **Swift**, features remote storage, account authentication, and user data synchronization with the **MongoDB** cloud. Utilizes **Alamofire** library and **Node.js** to handle **HTTP** networking requests.
- **DB Manager (2022)**. An **Angular** web application that serves as a convenient database management system for the Productivity App cloud, includes multi-user login component and **CRUD** functions.
- **Elastic Movie Recommender (2022)**. A final semester project for which we used **Elastic Search API**, to analyze input sentence and recommend a movie from our database using an NLP algorithm. Used **Node.js** and **Express.js** for the frontend.
- **Telegram Scraper Bot (2021)**. A functional bot in free access written in **Python** uses several Telegram APIs to scrape data from public group chats.
- **CORE Interpreter (2022)**. A fully qualified interpreter written in **Java**, includes a lexical and syntax analyzer, an executor, and a garbage collector. Implemented a call stack, heap, and global space.

WORK EXPERIENCE

U.S. Bank – Cincinnati, OH

Jun 2021 – Aug 2021

Software Developer Intern

- Proposed fixes to software vulnerability issues within the Single Point application (**Java, Fortify**). Presented the reasons behind the bank moving to microservices.

Huntington National Bank – Columbus, OH

Jun 2020 – Aug 2020

Software Developer Intern

- Assisted with development of Business Account Application, completed 5 full stack stories. Presented a business problem and its solution (**Angular, Node.js, Java, Spring**)

Pelican Technologies Inc. – Dayton, OH

Aug 2018 – Jul 2019

Software Developer Intern

- Developed a series of Android RFID applications that interact with remote servers over TCP/IP and Bluetooth sockets, with concurrent flow of data (**Java, C#, PHP, SQL**)
- Built an internal code-parsing and generating program that saves 1.5 employee hours daily (**C#, SQL server**)

EDUCATION

The Ohio State University – Columbus, OH

Aug 2019 – Dec 2022

B.S. Computer Science and Engineering, Computer Systems

GPA: 3.41 / 4.0