Yevhenii Shypitsyn

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EDUCATION

The Ohio State University – Columbus, OH　　　　　　　　**Aug 2019 – Dec 2022**
B.S. Computer Science and Engineering (Computer Systems)　　GPA: **3.365 / 4.0**

- Taking **Parallel Computing**, Computer Architecture, Knowledge-Based Systems courses
- Completed courses in **Web Applications** (A-), Computer Networking (B+), Principles of Programming Languages (A), Information Security (A-), Operating Systems (B+), Artificial Intelligence (B-), Database Systems (B), Data Structures & Algorithms, Software Components (A), Software Development & Design
- Assisted in teaching a software components course (CSE 2221, Spring 2020)
- Dean's Honors List awardee (Fall 2019)

PROJECTS

- **Productivity App (personal, 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 (personal, 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 for tuples displayed.
- **CORE Interpreter (CSE 3341 individual project, 2022).** A fully qualified interpreter in **Java** for the introduced language, including lexical and syntax analyzers, an executor, and a garbage collector. Implemented a call stack, heap space, and a global space.
- **Elastic Movie Recommender (CSE 5914, team project, 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 (personal, 2021).** A functional bot written in **Python** scrapes user data from public group chats that has been used by marketing professionals.

WORK EXPERIENCE

U.S. Bank　　　　　　　　　　　　　　　　　　**Jun 2021 – Aug 2021**
Software Developer Intern　　　　　　　　　　　　　　Cincinnati, OH

- Researched the Single Point application code and reasons the bank is moving toward microservices. Fixed software vulnerability issues **(Java, Fortify)**

Huntington National Bank　　　　　　　　　　　　**Jun 2020 – Aug 2020**
Software Developer Intern　　　　　　　　　　　　　　Columbus, OH

- 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.　　　　　　　　　　　　**Aug 2018 – Jul 2019**
Software Developer Intern　　　　　　　　　　　　　　Dayton, OH

- 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)**