

# Yuriy Zborovskiy

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## OBJECTIVE

To acquire a job in the field of software engineering OR web development to grow as a professional and refine the skills to be as effective of a programmer as I can be and deliver the best software solutions on the market.

## EDUCATION

**Bridgewater State University**, Bridgewater MA  
Bachelor of Science in Computer Science

**June 2022**

**Bristol Community College**, Fall River MA  
Associate in Computer Information Systems

**December 2019**

## RELATED EXPERIENCE

*Software Engineering Intern*, **RL Controls LLC**

**June 2016 – September 2016**

- Development of testing software
- Development of procedures for software development and organization

*Software Engineer*, **RL Controls LLC**

**June 2016 – Current**

- Development of software to interface with APC (automatic people counting) devices
- Developed destination sign management software
- Developed custom asset tracking solution (PHP/JAVASCRIPT/C#/Python)
- Worked on vehicle tracking solution for Ford Motors in Dearborn MI
- Developed data collection and reporting system for Ford Motors (C#/Java/Python)
- Developed **GPS2PORT** solution that reads NMEA data from COM port and transmits it via TCP or UDP (C#) for use in multiple projects
- Developed analog button digitizer, a program that parses DIO input and translates it either into a UDP packet or windows inter-process pipes (C++)
- Developed a software to test SUNRISE signs (C#)
- Developed UDP based DIO controller for AXIOMTEK UST500 computer – this application either controls digital OUTs or reports digital INs status via UDP packets. Part of the MBTA/NEBR contract (C#)
- Developed on-board health monitoring software for MBTA/NEBR bus rehab project, this application periodically pings on-board cameras and router for health and logs it in the local SQLITE3 database (C# Windows service)
- Developed camera display solution for the MBTA/NEBR rehab project buses. Rehab buses now feature 2 displays, 1 above the bus driver that displays farebox camera and 1 in the passenger area that features a 4 square view from two 360 degree cameras installed in the vehicle (C++ with QT)
- Developed configuration tool for MBTA/NEBR overhaul project to set up views on displays, reboot the router and the cameras as well as track current health status of on-board devices (Python with FLASK, JavaScript/react)
- Developed IPTCom protocol based simulator in order to test Passenger Information System for Baltimore MTA's Heavy Rail Overhaul (C++)

- Developed software to control 56 hour burn-in testing for Baltimore MTA's Heavy Rail Overhaul (Python/CEF3)

*Co-Founder, Virtus Technologies*

**January 2017-October 2018**

Co-founded a technology start-up with a close friend, mostly provided IT consulting and some web development for small companies on the east coast.

#### **Notable projects:**

- **SHALLOWAPP.NET** – Attempted to create a dating website to better accommodate various lifestyles, especially for college students (Python with FLASK, html5/bootstrap, javascript/react, PostgreSQL)

#### *Developer, Personal Projects*

- **SHALLOWAPP.IO** – Attempt to revive a shallowapp project from Virtus Technologies, this website was a complete rebuild (Python with FLASK, html5/bootstrap, javascript/react)
- **LIBERTYHOUND.NEWS** – A news aggregator and news reporting platform (Python with FLASK, JavaScript/react, PostgreSQL and Mongo DB in early versions)
- **MTRONIXUSA.COM** – Attempted to create an e-commerce platform for a friend that was running a small electronics internet store. Among the features of this application was custom made warehouse tracking system called RHINO which tracked purchases and had built interface with shippo to purchase mailing labels. (Python with FLASK, JavaScript/react, PostgreSQL and Mongo DB in early versions)
- **Automated Farm** – Built automated farming solution that waters plants at a schedule or soil moisture sensor's value. Using Raspberry Pi as controller to trigger relays in order to open solenoid valves for water to flow. (Python, C++, JavaScript/REACT, Postgresql)

## **SKILLS**

Java, C#, Python, C++, Javascript, ReactJS, Postgresql, Redis, Linux Administration, LAMP Administration, GIT Administration, PHP, HTML, CSS, CSS3, MYSQL, Flask, MongoDB, SFML, QT, OpenCV, Node.js, NPM

## **CERTIFICATIONS**

Genetec Security Center, SolidWorks Essentials, SolidWorks PDM, ISCET Levels 1,2,3, Massachusetts State Security Clearance for Surveillance Systems

## **LANGUAGES**

Russian(Native), English(Native), French(Some)

## **HOBBIES/INTERESTS**

Music Production, Artificial Intelligence, Small Scale Automated Farming, Videography, Game Design