

Ivan Nesevski

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SUMMARY

Recent computer science graduate looking to leverage my diverse programming knowledge in a full stack developer position. Energetic and highly motivated team player with excellent written and verbal communication skills. Fast-learner that can quickly adapt to new technologies.

EXPERIENCE

Software Developer

Spring Air Systems

May 2017 – August 2018

- Fixed bugs and added features on an ASP.NET web application for specification and quoting in response to error reports and user feedback.
 - Maintained a live SQL database and created scripts to automate repeatable tasks.
 - Implemented algorithms using trigonometric functions to automatically draw blueprints of products from a series of inputs using AutoCAD and C#, allowing to remove more than 90% of template files from the server.
 - Enhanced the air duct modelling web tool using the Three.js JavaScript library to employ 3D controls using rotation matrices and revamped the user interface to be more user friendly with HTML and CSS.
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PROJECTS

Stock Options Screener (In Progress)

- Created a web application from scratch that allows a user to search for any stock ticker and displays options data like bid/ask price, volume, open interest, Greeks, etc. using the QuESTrade API to retrieve data.
- Designed the front-end with HTML, CSS, Bootstrap, JQuery, and React.js.
- Data is shown using Datatables with many custom display options while still keeping a clean and organized UI.
- Programmed the back-end in modern JavaScript using a Node.js server with Express.js.

Hoard Memory Allocator

- Created a parallel memory allocator for Linux using C and ideas from the Hoard paper by Berger et al.
- Implemented individual processor heaps with a global heap to allow for high multi-threaded speeds, performing 400% faster than a sequential allocator.

Airline Booking Mobile App

- Developed an android app for booking and managing flight itineraries with a team of 3 using Java and the Android SDK in Android Studio.
 - Acted as team leader for the project: assigned roles for team members, managed the development of the app by setting deadlines and coordinating meetings, tested the final product to make sure it met all requirements.
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EDUCATION

Honours Bachelor of Science with Distinction in Computer Science

University of Toronto • Toronto, ON • 2019

Relevant Coursework: Calculus I & II, Data Structures & Analysis, Software Design, Software Tools & Systems Programming, Programming on the Web, Computer Networks, Machine Learning

SKILLS

Front-End: JavaScript, JQuery, HTML5, CSS, Bootstrap, Three.js, React.js

Back-End: Node.js, Express.js, ASP.NET, C#, Python

Databases: MySQL, PostgreSQL, SQLite, MongoDB

Other: GIT, SVN, Mercurial, Bash, C