Github: /nikolamarunic
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NIKOLA MARUNIC

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EDUCATION

University of Toronto	**cGPA: 3.38**	**2018 – 2022 (expected)**

- 3rd year, Specialist in Computer Science & Minor in Statistics

Relevant Coursework:

- Software Design
- Data Structures
- Systems Programming
- Theory of Computation
- CS Logic & Reasoning
- Hardware organization

University of Zagreb   **2019 Summer**

- Exchange Program, language & culture

Languages & Technologies

- Python, Java, C, Javascript, HTML, CSS, SQL, GraphQL, Verilog HDL
- Git, React, Node.js, Django, Docker, Amazon Web Services, Android Studio, Bootstrap

PROJECTS

Home Inventory System   **"Vault" – Web app**   **2020**
React, Django, SQLite, Bootstrap, Docker

- Created a web app to keep track of a user's important items by keeping a catalog of item locations.
- Intended for use for people (i.e. elderly) who struggle to remember where certain important things were placed (i.e. important documents, valuables, etc)
- Created a REST Api that served information from the database to the react frontend

Investment Portfolio Manager   **www.potatocalculator.com**   **2020**
React, AWS (Amplify, DynamoDB, Cognito, Route 53)

- Created a web app to manage user's investment portfolio and calculate where to invest based on a user's current portfolio and target allocations of their holdings.
- Eliminated need to do manual biweekly calculations/data entry by having the app read exported CSV data and save results to a Dynamo database through Amazon Web Services.
- Used Amazon Web Services for database/user authentication/domain hosting/app deployment.

TD Webbroker Investment Tool   **Command Line Tool**   **2020**
Python, openpyxl

- Created a python script to read account information from a spreadsheet and given a dollar amount would calculate where to invest money and saved values back to the spreadsheet.
- Eliminated the need for biweekly manual calculation/data entry and served as an inspiration/prototype for the investment portfolio web app.

Pickup Sports Match Finder   **"PickUp" – Android App**   **2020**
Java, Android Studio

- Created for Hack the Valley IV allowing users to find casual events such as pickup sports nearby through Google Maps and Radar.io APIs by showing event pins from other users on a map.
- Used many Android features such as map fragments and created a server for user communication

Android Game   **Desperado**   **2019**
Java, Android Studio, SQLite

- Worked in a team of 5 to create an android game with player stats/high score tracking
- Focus on clean/extendable code through design patterns such as Observer, Builder, etc.

EXPERIENCE

The Woodlands Secondary School   **2017-2018**
Computer Science Club Executive

- Responsible for teaching beginners the basics of Java and developing an attendance system.
- Improved efficiency by having students sign in through a web app instead of taking paper attendance.