

Nikola Marunic

(416) 388-4719 | nikola.marunic@mail.utoronto.ca | github.com/nikolamarunic

EDUCATION

University of Toronto

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

cGPA: 3.38

Relevant Coursework:

- Software Design
- Data Structures & Analysis
- Algorithm Design & Analysis
- Databases
- Systems Programming
- Hardware Organization

University of Zagreb

Exchange program, language & culture

2018 - 2022 (expected)

Toronto, ON

2019 Summer

Zagreb, HR

LANGUAGES, TECHNOLOGIES & SKILLS

Languages: Python, Java, C, Javascript, SQL, HTML, CSS, Groovy, GraphQL, Verilog HDL

Frameworks & Tools: Git, React, Node.js, Django, Docker, Amazon Web Services, Jenkins, Android Studio, Bootstrap

Soft Skills: Teamwork, problem solving, analytical thinking, quick/independent learning, communication

EXPERIENCE

Software Developer Intern

Advanced Micro Devices (AMD)

August 2020 - Present

Markham, ON

- Worked on the DevOps Team to develop and maintain the Continuous Integration pipeline using Jenkins and other scripting languages (e.g. Python, Groovy)
- Created Jenkins jobs such as one to automatically lint files pushed for review
 - Improved workflow for senior engineers by automatically enforcing company code standards
 - Automated up to **50%** of required comments manually written by engineers in many cases
 - Affected **100% of engineers** and **all code** pushed to the master branch
- Developed scripts such as one to label driver files based on defined keywords to ensure validity of releases
 - Reduced runtime by **65%** while increasing accuracy through various code optimizations
- Participated in the Agile process (triweekly scrum meetings, code sprints), code reviews, requirements meetings, and other parts of the software development process

PROJECTS

Investment Portfolio Manager | React, AWS (Amplify, DynamoDB, Cognito, Route53)

2020

View Live: www.potatocalculator.com

- 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 bank account 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

Home Inventory System | Django, React, SQLite, Bootstrap, Docker

2020

- Created a web app to keep track of a user's important items by keeping a catalog of item locations
- Created a REST Api that served information from the database to the react frontend

TD Webbroker Investment Tool | Python, openpyxl

2020

- 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 biweekly calculation/data entry and served as a precursor to the portfolio web app

Pickup Sports Match Finder | Java, Android Studio

2020

- 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