Mike Stupich

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mike-stupich

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Education

BSc | Computer Science Major
Carleton University | Jan 2019
- Received Entrance Scholarship
- Exposure to extensive programming experiences, projects and languages

Notable School Projects

Depth to ls command C, Kernel
- Added depth augmentation to *ls* command of any UNIX OS to display file tree of the current directory
- Extension called with *ls -M*
- Specify depth using *ls -M –depth=4*

NavU Android, Java
- Android app to help users navigate between classrooms at Carleton U
- Notified users of upcoming classes and guided them there from their current location

Skills and Technologies

Languages
Typescript
React
Redux
React-Native
Javascript
Solidity
Java
Python
C
C++
SQL

Technologies
Node.js
Firebase
Git Version Control
Visual Studio Code
MongoDB
Microsoft SQL Server

Strengths
Hard-working
Motivated
Eager to learn
Leadership
Critical thinking
Problem Solving
Teamwork

Experience

Canada Revenue Agency | Web Applications Developer
May 2017 - September 2017
- Created and maintained new intranet web pages following accessibility guidelines
- Unit tested Java web apps using Struts 2

Health Agency of Canada | Web Developer
May 2016 - April 2017
- Redesigned health related infographics into more user-friendly and accessible web pages for the general public
- Developed and maintained web pages in ASP.net

Personal Projects

Typ3 | Web3.js Typescript Replacement
Typescript, Solidity
- Qualified and participated in the ETHWaterloo Ethereum Hackathon where I worked in a team to develop a Typescript implementation of Web3.js
- Created a command line tool to convert a Smart Contract to a strongly typed file, to allow for type inferencing for easier Typescript development
- Created a tool to replace web3 for interacting with an Ethereum node via wrapped rpc-calls

Clevermine | Cryptocurrency Mining Management Software
Typescript, C++, Node.js
- Worked as a team to develop a software which manages large mining farm
- Client-server application that would keep all devices online and mining as efficiently as possible
- Wrote a C++ wrapper for controlling overclocking, fan speed, voltage, etc. of NVIDIA graphics cards
- Wrapped both NVIDIA and AMD GPU controls to be utilized by Typescript code

Ethereum Contract Dashboard
Typescript, Node.js
- Dashboard that displays updated information of an Ethereum contract address
- Alerts user if certain suspicious conditions have been met
- Plan to allow users running their own Ethereum node to enable sending a stop or kill transaction to a user created contract

Placeth | Ethereum version of Reddit's r/place
Javascript, HTML, Solidity
- Qualified and participated in the ETHDenver Ethereum Hackathon
- Small scale version of Reddit.com's r/place, where subreddits would work together to create large images by individually coloring one small box per hour
- Worked in a team to develop an Ethereum contract and web app that allows users to color a tile of a large canvas by sending a transaction

DiscoBot | Discord Bot
Typescript
- Collaborated to build a Discord bot that facilitates our Discord server's needs
- Primarily used for cryptocurrency price and info fetching via API calls
- Also used for scheduling events and providing notifications to users
- Hosted and running as a Heroku cloud based app