

# Amir Yalamov

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 Personal Website |  Github Profile

## Experience

### Major League Hacking Software Engineering Fellow

Toronto, ON

June 2020 – Aug 2020

- Implementing Hnswlib and OpenCV libraries in C++ to improve feature matching performance for computer vision software (Alice Vision)
- Collaborating in teams of Fellows and industry engineers by pair programming and communicating with stand-ups and retrospectives
- Selected from over 20,000 applicants to be part of the inaugural class of 100 MLH Fellows (0.5%)

### deltaStack Software Developer

Toronto, ON

June 2019 – Present

- Developed schema models for MongoDB and API endpoints in JavaScript to create clean and scalable backend architecture for web app, tested in Postman and deployed in Heroku
- Implemented backend for encrypted password system and authentication security using bcrypt and JSON web tokens, complying to industry security standards for platform to be used internationally
- Applied Agile when designing project structure, running meetings and coding sprints, allowing projects to finish 1 week of client's deadline

### TD Bank Business Systems Analyst

Toronto, ON

May 2019 – Aug 2019

- Worked on Strategic Risk Management team in Infrastructure and Technology Solutions
- Developed VBA script that works with intranet site's DOM and HTML to automated various Senior Management approval processes by streamlining workflow to decrease approval turnaround time by 50%
- Analyzed infrastructure control gaps to reduce workload by identifying themes and alignment with existing open control gaps, allowing project to be completed 3 weeks ahead of schedule

### Computer Science Undergraduate Society VP Academic

London, ON

Apr 2019 – Apr 2020

- Organized and executed academic themed events and programs with 100+ participants such as a TD Bank tech workshop and Microsoft sponsored Azure workshop to help Computer Science students excel
- Managed portfolio of Academic Directors, delegated tasks and promoted efficiency and cooperation within portfolio and rest of society, completing all event planning 1 week prior to event date

## Projects

### YalamovPing C++, Bash, Atom

 GitHub Link

- Scalable and performant ping CLI for Linux and MacOS that calculates RTT, ICMP Sequence, and TTL, with custom options for TTL, IPv6 support, interval time between packets, and total packets to be sent

### Hackers Against Dumb Posts

Python, Java, Clarifai API, Google Cloud

 GitHub Link

- Mobile keyboard plug-in that uses computer vision and sentiment analysis to classify how controversial your social media post might be based on words, topics, and images contained

## Technical Skills

### Languages

Java, Python, C, C++, VBA, MySQL, JavaScript, HTML, CSS, Assembly

### Technologies

Git, GitHub, Unix, Ubuntu, Bash, Docker, MongoDB, Postman, JSON

### Software Engineering

Object Oriented Design, Agile, UML, Scripting/Automation, CI/CD

## Education

### Western University

BSc. in Computer Science

Minor in Software Engineering

Sept 2017 – Apr 2021

London, Ontario, Canada

## Awards

- **Best Healthcare Hack Award:** Won at DeltaHacks IV, out of 143 teams, *Jan 2018*
- **Professional Engineers of Ontario Scholarship:** Based on academic success and extracurriculars, *Oct 2017*
- **Best UI/UX Award:** Won at StarterHacks, out of 71 teams, *Mar 2017*
- **Best Overall Hack, 2nd Place:** Won at UTS Hacks, first ever hackathon participation, *Jan 2017*

## Soft Skills

- High enthusiasm for learning and tough challenges
- Strong problem-solving and analytical skills
- Self starter with bias for action
- Clear communicator
- Passion for technology and leadership

## Interests

Swimming, Piano, Reading, Personal Fitness, Music, Cars, Biking