

# Amir Yalamov

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 Personal Website |  Github Profile

## Experience

### Major League Hacking

#### Software Engineering Fellow

Toronto, ON

June 2020 – Aug 2020

- Integrated a nearest neighbor algorithm in C++ for open source computer vision software, improving feature matching performance by 34%
- Collaborated in teams of Fellows and industry engineers by pair programming and communicating with stand-ups and retrospectives
- Selected from 20,000 applicants to be part of the inaugural class of 150 MLH Fellows (0.75%)

### deltaStack

#### Software Developer

Toronto, ON

June 2019 – Present

- Started deltaStack with a colleague to build tech solutions for businesses and individuals
- Developed schema models for MongoDB and API endpoints in JavaScript, creating a clean and scalable backend architecture for a 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 a platform used internationally

### TD Bank

#### Business Systems Analyst

Toronto, ON

May 2019 – Aug 2019

- Automated senior management approval tasks using VBA to manipulate intranet's DOM and HTML, decreasing turnaround time by 50%
- Analyzed and categorized internal infrastructure and security issues to reduce remediation effort, finishing project 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 such as a TD Bank tech workshop and Microsoft sponsored Azure workshop, gathering over 100 participants
- Created new resume editing program, personally mentoring 20 students
- Managed team of Academic Directors by delegating tasks and promoting efficiency and cooperation within team and rest of society, completing all planning 1 week before the events

## Projects

### YalamovPing

C++, Bash, Atom

 [GitHub Link](#)

- Scalable and performant ping Command Line Interface for Linux and macOS that calculates RTT, ICMP Sequence, and TTL
- 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++, JavaScript, Bash, VBA, HTML, CSS, ARM

### Technologies

Git, GitHub, Unix, Ubuntu, Docker, MongoDB, MySQL, JSON

### Software Engineering

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

## Education

### Western University

Honours BSc. in Computer Science

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 a bias for action
- Clear communicator
- Passion for technology and leadership

## Interests

Swimming, Piano, Non-Fiction Reading, Hip Hop Music