

# Shkula Wardak

shkula.wardak@gmail.com | (613) 402-2822

[linkedin.com/in/shkula](https://www.linkedin.com/in/shkula) | [github.com/swardak](https://github.com/swardak) | [swardak.github.io](https://swardak.github.io)

---

**Education**     **University of Ottawa // Bachelor of Computer Science (Honours)**     Sep. 2018 – Jun. 2023  
• **Coursework:** Algorithms, Operating Systems, Databases, Data Science, UI Design     **GPA: 3.6**

---

**Experience**     **Amazon // Software Development Engineer Intern**     May 2022 – Jul. 2022

- Optimized structure of an internal workflow design tool in **TypeScript**, reducing user design time by 45% on average and significantly decreasing manual error risk
- Implemented form input-sharing feature in **JavaScript** using **AngularJS**, saving associates 5 minutes per grouped customer issue on average
- Improved upon existing workflow structure with **AngularJS** by adding parallel form input functionality to 35 new workflows on customer support platform used by 30K+ associates

**Vidyard // Software Engineer Intern**     Jan. 2022 – Apr. 2022

- Replaced **REST** with **GraphQL** mutations in video application, speeding up query time by 75%
- Improved upon newly introduced multi-tenant developer playground by creating both developer and optimized **Kubernetes** microservice deployment specs for 5 repositories
- Reduced memory utilization by 55% across **Kubernetes** developer environment containers
- Overhauled repository by converting build system to **GitHub Actions**, updating deployment infrastructure to **Shipit**, addressing security issues & adding deployment tracking

**Zendesk // Software Engineer Intern**     Sep. 2021 – Dec. 2021

- Automated the scaling up & down of **AWS Aurora** database clusters using **Boto3** & **Python**, reducing manual execution time by 80% and preventing human error
- Implemented performance monitoring on an internal tool for **GraphQL** API requests with the **Django** framework using **Datadog APM**, decreasing incident response time by 50%

**Ribbon Communications // Software Engineer Intern**     Jan. 2021 - Apr. 2021

- Created an upload feature in **Angular** using **TypeScript**, **HTML**, **CSS** that parsed CSV files & inserted data into an input, facilitating customers' upload of large amounts of data
- Debugged 50+ logic & styling issues in-app, and established form validation on 20+ form inputs

**Health Canada // Junior Technical Analyst**     Jun. 2020 - Aug. 2020

- Implemented SMTP mailer from IT site's feedback form using **PHP** and **JavaScript**
  - Developed web content for the IT Services site with **HTML**, **CSS**, and **JavaScript**
- 

**Leadership**     **Project Tech Conferences // Workshops Lead**     Mar. 2020 - Present

- Led a team in the creation of 10+ workshops presented to 300+ high school students on tech topics like cybersecurity and UI/UX, targeting underrepresented communities in technology

**Technovation // Technical Mentor**     Jan. 2020 - May 2022

- Mentored 15+ girls aged 12-16 over three years in solving UN Sustainable Development goals through the creation of 3 Android mobile applications, written using Java and Thunkable
- 

**Skills**

Languages	Python, Typescript, JavaScript, Java, HTML, CSS, SQL
Technologies	Node.js, Angular, Kubernetes, Docker, GraphQL, PostgreSQL
Tools	AWS RDS, GitHub Actions, Terraform, Git, CircleCI