

Artyom Morozov

SOFTWARE ENGINEER

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Skills

Programming languages	Javascript, Java, C, C++, C#, HTML/CSS, Swift, SQL, Python
Tools & Frameworks	React, Angular, Android, Flask, Unity, Django, Pandas, Node.js, Linux
Databases & Platforms	AWS, MySQL, MongoDB, PostgreSQL, Firebase

Education

Carleton University | Concentration in Algorithms — *Minor in Psychology* Ottawa | Sep 2017 - May 2021[Expected]

- **GPA:** 3.5/4 (A-)
- **Relevant Courses:** Algorithms • Web Application Development • Operating Systems • Object Oriented Design • Databases • Business

Experience

Macadamian Technologies | Software Engineer Intern Gatineau, Canada | May. 2020 - Present

- Implemented review workflow for a platform evaluating **AI algorithms** for radiology images, allowing doctors to validate model predictions and improving algorithm accuracy by **15%**.
- Developed and shipped a **full-featured web platform** for sharing MRI images of rare muscular dystrophy cases in under 2 months, which helped bring in multiple customers from client recommendations.
- Engineered efficient fixes to bugs in the internal back-end platform using **Node.js**, accelerating the development pipeline by **25%**.

Macadamian Technologies | Software Engineer Intern Gatineau, Canada | May. 2019 - Dec. 2019

- Incorporated **lazy loading** into an existing project, which greatly improved overall UX and reduced application loading time by **10%**.
- Architected and shipped a cross-platform **mobile application** that helps users manage their medications and promotes patient adherence using **ionic**.
- Updated internal server **API** email sending functionality to support DKIM email authentication, HTML content, embedded image attachments and different transport methods besides SMTP.

Projects

Prosper | uOttHack Hackathon — *Flutter • Firebase* 2019

- Helped build an app that simplifies the process of saving by providing users with fast and digestible information on the topic and gamifies the complicated process of investing.
- Integrated Google's Firebase **Firestore** in the application to keep persistent storage of mock transaction financial data and articles.
- Learned Google's mobile development UI kit, Flutter and build various widgets with it in **under 36 hours**.

Read.More | Personal Project — *Flask • Django • JavaScript • Spark* 2019

- A full-featured web application that generates book recommendations based on user rating.
- Used **Flask** to build a **recommendation engine API** which generates book recommendations and updates the ML model.
- Integrated **Spark** ALS algorithm to produce a recommendation model that utilizes user-based collaborative filtering.

Kicks4Sale | Personal Project — *Express.js • HTML/CSS • MongoDB* 2018

- Full-stack web application for an e-commerce shopping platform built with Express.js and Node.js.
- Integrated PayPal API allowing for fast and efficient payment processing.
- Incorporated persistent data storage with MongoDB, that kept existing orders, products and user information.