Daniel Ilin

📞 +1 (617) 697-7791 | ✉ ilinedv@gmail.com | 📍 Boston, MA, 02118

EDUCATION

Northeastern University, Boston, MA   2021
BS in Mechanical Engineering
Minor in Mathematics
Honors: *cum laude* 3.5/4.0 GPA

PROJECTS ([Full Portfolio](#))

Equal Split ([App Store](#))
- Developed an iOS application using Swift and pushed it to App Store. UI built with UIKit and Storyboards.
- Persistent storage implemented through Core Data. Currently working on backend using Node.js, supporting authentication through Passport.js and PostgreSQL database.

Instagram Clone
- Recreated Instagram app functionality such as user authentication, post sharing and profile interaction using Firebase.
- Developed a strong understanding of Firebase Authentication and Firestore Database.
- Utilized third-party dependencies such as asynchronous image downloading and custom UI designs to avoid boiler-plate code.

SKILLS

- **Coding:** Swift**,** C++, JavaScript (Node, Express)
- **Engineering:** Ansys Fluent, PTC Creo, SolidWorks, AutoCAD
- Russian (Native), German (B1), English (Fluent)

WORK EXPERIENCE

LISEC GmbH, Seitenstetten, Austria   Jan. 2020 – Jun. 2020
Mechanical Engineer Co-op
- Prepared 3D models of over 100 machines in PTC Creo for presentation in a successful commercial 3D machinery layout showcase
- Brought AutoCAD drawings of machine parts up to date, ensuring their validity in accordance with the updated company standards

AMAG Pharmaceuticals, Waltham, MA   Jan. 2019 – Jun. 2019
QA Engineer
- Improved product report preparation by programming VBA macros for processing and re-arrangement of voluminous product data in MS Excel
- Optimizing the organization of the company's document archives

INTERESTS

My other passion is music production. I produce and release music and privately teach musical creation software. In my free time I enjoy outdoors sports and rock climbing.