



## Work Experience

### GeoSMART

#### Undergraduate Research Assistant

- Building outreach infrastructure including a [website](#) and blog with UW researchers seeking to teach machine learning tools to geoscientists.
- Collaborating on resources for a joint machine learning + geoscience [curriculum](#).
- Regularly use JavaScript, Python, Jupyter Notebooks & Binder, among other tools.  
(Feb 2022 - Present)

### Freelance Web Design

#### Customized Website Development & SEO

- Built several e-commerce and small business websites for local Seattle businesses.
- Provide recurring site maintenance and search engine optimization.
- Most sites built with Vanilla JavaScript or React.
- Examples available at [todoran.dev](http://todoran.dev), my portfolio.  
(Mar 2019 - Present)

### MediaNet Inc.

#### Junior Software Development Intern

- Lead the 6-week mobile app building project.
- Integrated with and expanded existing back-end services.
- Utilized React Native for the UI and SQL for querying the back-end relational database.  
(Jun - Aug 2019)

### DATINA Romanian Folkloric Ensemble

#### Theatrical Sound Engineer & Developer

- Replaced premium music management software with an in-house solution, saving hundreds of dollars yearly for the non-profit, low budget group.
- Recorded, mixed, and synced sounds for rehearsals and performances.
- Developed and maintain an official [website](#).
- Used Python, PyInstaller, and JavaScript.  
(Dec 2018 - Jan 2022)

## Certifications & Awards

- Washington State Seal of Biliteracy (*Spanish*)
- Certificate of Special Congressional Recognition
- College Board AP Scholar with Distinction
- Certificate of Academic Achievement
- Loom Network Solidity Curriculum Certificate
- University of Washington Dean's List

## Education

### University of Washington

Computer Science (BS) – Class of 2023

Computer Science (MS) – Planned for Class of 2024

### James A. Garfield High

General Studies (Honors) – Class of 2020

## Coding Projects

### Technivision

#### Hybrid iOS & Android Mobile App

- Collaborated with 3 peers on a mobile app which employs computer vision to analyze exercise technique and provide personalized feedback.
- Utilized React Native, TensorFlow, JavaScript.  
(Sept 2019 - Aug 2021)

### Linguini

#### Chrome Extension w/ Azure & G Cloud Integration

- Created in just 24 hours for a hackathon, Linguini helps students and non-native speakers compare multiple translations concurrently.
- Worked w/ Microsoft and Google translation APIs.
- Built with JavaScript, HTML, and CSS.  
(Oct 2020 - Sept 2022)

### Frijma

#### Mobile-focused Web App

- Utilizes computer vision and clever parsing to read grocery receipts to provide data on food storage and expiration, and give targeted recipe ideas.
- Built with Edamam, TypeScript, HTML and CSS.  
(Oct 2022 - Present)

## Coursework Highlights

Web Programming, Data Structures & Parallelism, Machine Learning, Artificial Intelligence

## Extracurricular Activities

- AT&T Summer Learning Academy (2021)
- UW Winter Programming Contests (2021 & 2022)
- DubHacks2020 & DubHacks2022 Hackathons
- Congressional Apps Challenge (2019)

## Professional References

#### Vladimir Grabarchuk

Lead Software Engineer (MediaNet Inc.)

#### Andreea Isaac

Head Director (DATINA Romanian Folk Ensemble)