

Greyson R. LaLonde
269-762-3930
greyson.r.lalonde@gmail.com
<https://www.linkedin.com/in/greysonlalonde/>
<https://github.com/greysonlalonde>

TECHNICAL SKILLS

- **Backend:** Django, FastAPI, Flask, Firebase, Celery
 - **Frontend:** React Native, React, HTML/CSS
 - **Database:** PostgreSQL, MongoDB, ORM
 - **DevOps:** GitHub, AWS, Heroku, Docker, Docker compose, Sentry
 - **ETL:** Pandas, Apache Spark (PySpark)
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EXPERIENCE

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| Founder | 11/2022 - Present |
| <i>Stealth Startup; West Palm Beach, Florida + Remote</i> | |
| <ul style="list-style-type: none">• Co-founded a University of Pennsylvania VIP-C incubator affiliated social media startup leveraging a proprietary TensorFlow recommendation API.• Developed backend architecture on AWS and Flutter and React Native application variants hosted on the Apple App store, Google Play store, and web. | |
| Full-stack Engineer | 09/2022 - 11/2022 |
| <i>Contract (Private Firm); Remote</i> | |
| <ul style="list-style-type: none">• In an Agile environment with a team of five developers, I architected a FastAPI backend with a PostgreSQL- backed asynchronous SQLAlchemy ORM deployed on AWS. Additionally, I contribute to a React Native (TypeScript) frontend. | |
| Python Developer | 04/2022 - 09/2022 |
| <i>Contract (Brooksource); Remote</i> | |
| <ul style="list-style-type: none">• Developed custom software for clients by examining client requests or identifying development cases.• Development included backend configuration with Django & Flask, frontend development with React and React Native, AWS cloud pipeline development with Apache Spark, and package development with native Python. | |
| Data Scientist | 07/2021 - 04/2021 |
| <i>Booz Allen Hamilton, Strategic Innovation Group; Honolulu, HI</i> | |
| <ul style="list-style-type: none">• As a team member of subject matter experts, I directly impacted data products viewed in the White House by developing, optimizing, and troubleshooting Apache Spark/Pandas code in CDC data pipelines on the Palantir platform. | |
| Data & Informatics Fellow | 01/2021 - 06/2021 |
| <i>State of Michigan Public Health, Bioinformatics Section; Lansing, MI</i> | |
| <ul style="list-style-type: none">• CDC/Association of Public Health Laboratories fellowship supervised by Dr. Heather Blankenship.• Provided insight and expertise for the development of computational processes by researching and implementing machine learning applications for bioinformatics data.• Developed ETL and analytic processes utilizing Pandas, Django, and React, including a unique GISAID API sequence submission tool in Python.• Administered a PostgreSQL instance, managed user accounts and permissions, designed data architecture, and bolstered data security. | |
| Software Developer/Analyst | 09/2020 - 06/2021 |
| <i>State of Wyoming Public Health Laboratory; Cheyenne, WY + Remote</i> | |
| <ul style="list-style-type: none">• Managed state COVID-19 databases/data quality using Pandas for ETL pipelines. | |
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EDUCATION

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| University of Pennsylvania | 01/2022 - Present |
| <i>School of Engineering & Applied Sciences; Philadelphia, PA</i> | |
| <ul style="list-style-type: none">• M.C.I.T (Computer Science) Graduate Degree Candidate | |
| Western Michigan University | 08/2016 - 12/2020 |
| <i>College of Arts & Sciences; Kalamazoo, MI</i> | |
| <ul style="list-style-type: none">• B.S. Psychology, Arabic minor• Honors: <i>magna cum laude</i>, Phi Beta Kappa, DoS Gilman Scholar (Jordan, Arabic), National Security Education Program Boren Award alternate (Israel - Arabic, Russian)• Activities: AmeriCorps, Collegiate rugby, Chess club, Arabic club | |
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LANGUAGES

- Arabic: Intermediate
- Russian: Intermediate