

EDUCATION

- **Carnegie Mellon University, GPA: 3.7** Pittsburgh, PA
BS in Information Systems | Minor in Software Engineering | Dean's List High Honors May 2021

PROGRAMMING SKILLS

Languages: JavaScript (ES6), HTML/CSS, SQL | Python, Java, Ruby, Swift, C | R, Solidity
Technologies: Django, Rails, SwiftUI, Ractive | Postgres, Firebase, MongoDB, GraphQL, Redis
Practical Skills: Git, TravisCI, Heroku, AWS (EC2, S3), Cucumber, UML, TDD
Other: Database Development, Photoshop, Weka, WCAG/ADA, Russian (fluent)

PROJECTS

- TripBook, Project:** Built a concept social-media iOS app where users log their movements, see instant updates on their trip maps, and share images. **{SwiftUI, MapKit, Firebase}** Fall 2019
- Palauan Warrior, Freelance Work:** Built a single-view site showcasing Polynesian War Clubs. Summer 2019
- BakingFactory, Project:** Built a full-stack e-market using the Rails framework. Implemented authentication, authorization, and an API for the WebApp. **{Rails, SQLite, Postgres, Heroku}** Spring 2019
- PL/pgSQL DB, Project:** Modeled a Venmo-like transaction database. Scripted payment, deposit, and user functions using SQL & Python. **{Postgres, Python & SQL Scripting}** Dec 2018
- PyMusic, Project** Built a learning software that digitally scans and plays uploaded sheet music. Developed image processing and audio effect modules. **{Numpy, OpenCV, PyAudio, Thread}** April 2018

WORK EXPERIENCE

- **Software Engineering Intern** Boston, MA
Novetta Mission Analytics May - Aug 2020
 - Worked on crucial filter and data export components of the team's main analytics product.
 - Learned the organization's Flux-based proprietary front-end framework, and created an adapter to interface between a REST API, GraphQL instance, and the app's local JS layer.
- **Student Consultant** Republic of Palau
Palau Foreign Investment Board | TCinGC Program Jun - Aug 2019
 - Spearheaded the organization's transition to paperless, and engineered a document upload solution. Translated user stories for uploads to API calls, then tested the code with Postman.
 - Built a JavaScript application on top of the organization's document platform. Deployed the WebApp to AWS, and facilitated the intake of the two highest-volume paper submissions to the organization.
- **Data Unit Lead, Senior Intern** Woodside, NY
New York State Assemblyman Brian Barnwell May - Aug 2018
 - Tracked campaign-wide KPI's: reported canvassing team progress to the Chief of Staff, and used an Excel model to realize a 3% average increase in success rate for our most active districts.
 - Coordinated and worked with a team of 5 interns to create demography reports using constituent data.

TEACHING ASSISTANT POSITIONS

- iOS Engineering: Head TA** and mentor for a senior capstone iOS course. Aug 2020 - Present
- Application Development: Head TA** for a core full-stack web framework course. Jan 2020 - Present
- Mobile Web Design: Head TA** teaching advanced CSS, JS, & mobile design concepts. Jan - May 2020
- Database Development:** Taught Postgres, MongoDB, and other noSQL tools for a core DB course. Evaluated project team proposals for database designs throughout the semester. Aug - Dec 2019

ADVANCED COURSES

- Graduate:** DevOps Engineering | Machine Learning in Practice | Blockchain Applications
- Undergraduate:** iOS Engineering | Software Construction: Design Patterns & Concurrency