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Education

Carnegie Mellon University, GPA: 3.75   Pittsburgh, PA
BS in Information Systems | Minor in Software Engineering | Dean's List High Honors   *May 2021*

Work Experience

Software Engineering Intern   Remote / Boston, MA
Novetta | NMA Team   *May - Aug 2020*

- Developed multiple UI and backend components for the team's main analytics product.
- Took lead on a data export epic and built a service to connect RabbitMQ, a GraphQL instance, & the product's local JS layer. Worked with engineers to extend the GQL API and deploy the microservice.

Student Consultant   Republic of Palau
Palau Foreign Investment Board | TCinGC Program   *Jun - Aug 2019*

- Proposed a *paperless* transition plan to the Executive Director, and worked closely with staff on adopting a compliant cloud-based document management solution.
- Built a JavaScript application on top of the adopted document platform. Deployed the web app to AWS, and enabled digital uploads for the two highest-volume paper submissions to the organization.

Data Unit Lead, Senior Intern   Woodside, NY
NYS Assemblymember Brian Barnwell   *May - Aug 2018*

- Tracked campaign-wide KPI's: reported canvassing team success 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 a team of 5 interns to create public demography reports using constituent data.

Projects

Remote Marble Maze, Project: Programmed an Arduino microcontroller to move a marble maze assembly. Developed an iOS app to send gyroscope data to a pub/sub broker, which then triggered a user's local maze. Ultimately enabled multiple global clients to control remote mazes with low latency. **{Swift, C++}**   *Fall 2020*

NewERA, Capstone: Developed a web app to help our client document their street outreach and distribute resources to constituents. Deployed it to production and performed a hand off to a local IT org, all as part of a pro bono consulting engagement. **{Django, DigitalOcean, Scrum}**   *Spring 2020*

TripBook, Project: Built a concept social-media iOS app where users log their movements, see instant updates on their trip maps, and share images of their experiences. **{SwiftUI, MapKit, Firebase}**   *Fall 2019*

Palauan Warrior, Freelance Work: Built a single-view site showcasing Palauan War Clubs.   *Summer 2019*

BakingFactory, Project: Built a full-stack e-market using the Rails framework. Implemented authentication, authorization, and an API for the web app. **{Rails, Postgres, SQLite, Heroku}**   *Spring 2019*

Teaching Assistant Positions

iOS Engineering: Head TA and team mentor for a senior capstone course.   *Fall 2020*
Application Development: Head TA for a full-stack web dev course.   *Spring 2020/21*
Mobile Web Design: Head TA teaching advanced CSS, JS, & mobile design concepts.   *Spring 2020*
Database Development: Taught Postgres, MongoDB, and noSQL tools for a core DB course.   *Fall 2019*

Programming Skills

Languages: JS(ES6), HTML/CSS, SQL | Python, Ruby, Swift, Java (prior experience) | Solidity
Technologies: Node, Django, Rails, SwiftUI | GraphQL, Postgres, MongoDB, Firebase
Practical Skills: Git, Docker, k8s, AWS (RDS, EC2, EKS, S3), Heroku, Vagrant, TravisCI, Cucumber
Other: Shell Scripting, DB & API Design, TDD, UML, WCAG/ADA, Russian (fluent)