Will Campbell

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EDUCATION

App Academy   **September 2023**
Full stack software engineering

Colby College, Waterville, ME   ***Bachelor of Arts*, May 2022**
Major: Environmental Science, *Minor:* Economics
Activities: Division I Varsity Men's Squash, Outing Club, Fly Fishing Club, Bocce Club

SKILLS

Javascript, React, Redux, Python, Flask, NodeJs, PostgreSQL, Express, SQLAlchemy, SQLite, HTML5, CSS3, Git, Postman, json, AWS, Render, Mocha, R, ArcGIS Pro, DBeaver

EXPERIENCE

GIS Research Assistant, *Buck Lab for Climate & Environment*   **June 2021 - April 2022**
- Selected by faculty for a grant to create a metric for determining climate vulnerability of 23 communities in the Abaco Islands through demographic and GIS data, collected from government agencies, NGO's, and stakeholders.
- Leveraged ArcGIS Pro and data analysis to create 15+ maps showcasing climate vulnerability, guiding policymakers in identifying vulnerable communities and allocating resources effectively.

R Data Analyst, *Colby Environmental Science/Irland Group*   **March - August 2021**
- Performed comprehensive statistical analysis using R on long-term climate data, revealing significant shifts in ice-out patterns across 27 Maine lakes and highlighting climate change's impact on waterway dynamics.
- Collaborated with a team of researchers to interpret and present findings, leading to actionable insights on the health of Maine waterways and informing environmental management strategies.

Independent Research Project, *Oak Institute for Human Rights*   **June - August 2019**
- Awarded a competitive travel-research grant to investigate climate change's impact on human rights in Nepal's Dolpo Province, interviewing 11 stakeholders to evaluate evolving environmental, political, and physical transformations.

PROJECTS

CoinClone | **[Github](#)** | **[Live](#)**   *javascript • python • react/redux • flask • postgreSQL • recharts*
- Developed end-to-end functionality for trading simulations, watchlists, real-time cryptocurrency data, and a community forum using SQL, Express, Redux, and dynamic React components.
- Enhanced platform reliability and user experience (UX) by integrating two third-party cryptocurrency APIs for real-time data retrieval and visualization.
- Optimized front-end functionality through React/Redux architecture, efficiently managing global state, orchestrating data flow, and ensuring a responsive user experience.

VancouberEats | **[Github](#)** | **[Live](#)**   *javascript • python • react • redux • flask • postgreSQL • AWS S3*
- Collaborated as a member of a 4-person team, following standard Git procedures for efficient version control, and maintaining an organized development environment through the use of Kanban Boards and SCRUM methodologies.
- Implemented an AWS s3 bucket for image storage, ensuring scalable and secure handling of media assets, resulting in faster load times and enhanced user experience.

notAirbnb | **[Github](#)** | **[Live](#)**   *javascript • express • react • redux • SQLite • Google Maps*
- Conceptualized, wireframed, and executed the development of a full-featured Airbnb clone, leveraging relational SQL databases to securely store data and provide property listings, booking systems, and user review functionality.
- Integrated Google Maps API to enhance the listing process, delivering a polished and professional user experience.
- Implemented BCrypt Hashing and React Auth Routes to create custom user authentication, prevent the storage of plain text passwords, and incorporate user-based data, feature, and route restrictions.