

# Will Campbell

(802) 359-3222 | wpcampbell1@gmail.com | [LinkedIn](#) | [GitHub](#)

## EDUCATION

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### 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

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

## EXPERIENCE

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### GIS Research Assistant, Colby Environmental Science Department

June 2021 - April 2022

- Selected by faculty for grant provided by Buck Lab for the Climate and Environment to create a metric determining the climate vulnerability of Bahamian communities, using demographic information in conjunction with ArcGIS

### R Data Analyst, Irland Group

March - August 2021

- Conducted data analysis for an environmental-economic consulting firm to examine ice-out trends across Maine lakes in order to assess the effects of climate change on waterway dynamics

### Independent Project, Oak Institute for Human Rights

June - July 2019

- Awarded a travel and research grant to investigate the effects of climate change on human rights in Nepal's Dolpa Province, conducting in-depth interviews with local stakeholders to assess environmental, political, and physical transformations witnessed over time

## PROJECTS

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### CoinClone | [Github](#) | [Live](#)

*javascript • python • react/redux • flask • postgresSQL • recharts*

- Developed CoinClone, a full stack React/Redux, Flask application designed to provide users with cryptocurrency prices, watchlists, simulated trading experiences, and a community forum for discussion and projections
- Integrated two third-party cryptocurrency APIs for real-time data retrieval and visualization, boosting platform reliability and user experience (UX).
- Utilized React/Redux architecture to optimize front-end functionality by effectively managing global state, orchestrating components for streamlined data flow, and delivering a highly responsive user experience.

### VancouverEats | [Github](#) | [Live](#)

*javascript • python • react • redux • flask • postgresSQL • AWS S3*

- Contributed to the collaborative development of VancouverEats, as a member of a 4-person team, adhering to standard Git procedures to ensure efficient code collaboration and version control, maintaining a well-organized and collaborative development environment through the usage of Kanban Boards and SCRUM
- Implemented an AWS s3 bucket for image storage in VancouverEats, 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 notAirbnb, a full-featured Airbnb clone, encompassing 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