

SUMMARY

Analytical, curious, and self-motivated web developer with 7 years professional experience developing applications in a variety of languages and platforms - seeking web development position with focus on React.

SKILLS

- Intermediate** React, JavaScript, HTML/CSS, Python, Leaflet, Google Maps API, Git, GitHub, GitLab, Google Cloud Platform, Firebase Authentication/Firestore/Hosting.
- Basic** TypeScript, Mobx, Angular, Redux, Jest, SQL, Pandas, Geopandas, REST, Node, Express, Mapbox, Webpack, SVG, d3, Nginx, Bootstrap, Mocha, Stylus, SASS, Responsive Design, QGIS.

EDUCATION

- **Machine Learning Engineer Nanodegree** – Udacity / Georgia Tech Mar 2017
- **B. S. Computer Science** – University of Texas at Austin
- **B. S. Physics, Summa Cum Laude**, minor in Mathematics – University of Houston
- **GRE 1570/1600 | SAT 1490/1600 | National Merit Scholar**

RELEVANT EXPERIENCE

- Founder/Developer** **TripPlanner.cafe** – <https://tripplanner.cafe> Feb 2019 – Present
- Developed and launched a map-based travel planning website using the Google Maps API
 - Used React, Mobx, JavaScript, TypeScript, Jest, and Firebase Authentication/Firestore/Hosting
- Founder/Developer** **Moveto.io** – <https://moveto.io> Oct 2017 – Jan 2019
- Developed an interactive map-based neighborhood guide to analyze and explore census and other data
 - Built front-end with React, Leaflet, Mapbox, Redux, GraphQL, Apollo Client, Firebase Hosting/Storage/Auth
 - Built back-end with PostgreSQL, SQL, Postgraphile for GraphQL API, Google Cloud SQL for data hosting
 - Built data pipeline for Extract Transform Load (ETL) with Python, Pandas, Geopandas, Pillow, and PySAL
 - [Worked with 2-4 member team in Austin and remotely](#)
- Cofounder/Developer** **RelocateMe** May 2017 – Oct 2017
- Developed map-based relocation guide using React, Redux, and Google Maps API
 - Shows location of apartments, condos, amenities near an address or map location
 - [Worked remotely with 3 member team](#) using Slack and GitHub/Zenhub
- Founder/Developer** **Quilty.cafe** – <https://quilty.cafe> Jun 2014 – May 2017
- Created color explorer for quilt designs using React, jQuery, and d3 in a single page web app
- Developer** **Dell Experience Design Group** – Round Rock, Texas May 2015 – Oct 2015
- Designed and developed project resource management and multidimensional reporting tool in Access/Excel
 - [Met with 3-5 stakeholders weekly](#) to review progress, test the program, and decide on next steps
- Founder/Developer** **PyVoyager** – <https://github.com/bburns/PyVoyager> May 2016 – May 2017
- Created stabilized movies from Voyager probe images using Python/OpenCV and ECC Maximization
- Founder/Developer** **NeoMem** – <https://github.com/bburns/NeoMemClassic> Jan 2000 – Dec 2001
- Wrote and sold an outline-style information manager using C++/MFC/Visual C++
- Developer** **Rolling Bay Software** – Seattle, Washington Jan 1996 – Aug 2002
- Designed and coded databases, user interfaces, and reports for data management systems
 - [Worked closely with clients](#) including Merrill Lynch, Bank of Ireland, and environmental organizations
 - Created applications using Visual Basic, Microsoft Access, SQL, and ERwin Data Modeler