Ryan Barner

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OBJECTIVE

Full-stack software engineer, recent coding bootcamp graduate, and former finance and engineering operations data analyst. Excited about the opportunities ahead as I grow in my career as a software engineer. Passionate about autonomous technology, machine learning, and building software that enables economic sustainability for all.

TECHNICAL SKILLS

- **Languages**: Python, JavaScript ES6+, SQL, AJAX, HTML5, CSS3, JSON, Italian
- **Frameworks/Libraries**: Flask, jQuery, Bootstrap, Jinja, SQLAlchemy, React, Pandas, NumPy, scikit-learn
- **Database/Industry Tools**: PostgreSQL, AWS, MongoDB, Git, Superset, Tableau, *nix command line

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PROJECTS

ProTag | WhoProduced.org
Music almanac that leverages the Genius API. With interactive D3 and Chart.js data visualizations, users are given an innovative way to explore the creation of their favorite music and artists. Users can quickly deduce artists' production and performance patterns via a k-means machine learning algorithm. 83% Test Coverage.
Tech Stack: Python, JavaScript, AJAX, HTML5, CSS3, JSON, SQL, Flask, jQuery, Bootstrap, scikit-learn

We the People | https://github.com/rbarner14/we_the_people
Social network addressing the 16th sustainable development goal: Peace, Justice, and Strong Institutions. Users, referred to as citizens, can portfolio their accomplishments for social good and visualize that data. Via a JIRA-like "ticket" system, users can assign initiatives to politicians, whom also have profiles, neighbors, or themselves. My app seeks to teach the 15 million Americans who do not yet vote, the power of that right.
Tech Stack: Python, JavaScript, AJAX, HTML5, CSS3, JSON, SQL, Flask, jQuery, Bootstrap

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PROFESSIONAL EXPERIENCE

Lyft   **Aug 2018 – Jan 2019**
Autonomous Vehicle Engineering Operations Analyst
- Built and maintained multi-million-dollar budget for all autonomous vehicle (AV) ops (hardware, software, testing, open-platform, and marketing) across Lyft's six national and international AV locations.
- Successfully pitched AV's 2019 budget proposal to CEO, CFO and FP&A Directors, ensuring teams were granted the money needed for their projects in the upcoming year.
- Equipped executives with financial and operational data, dashboards, and decks I built for board meeting presentations, partner relationship success, and hiring and product decisions.

Lyft   **Apr 2016 – Aug 2018**
Financial Data Infrastructure Analyst
- Built infrastructure for internal and external teams for global growth and retention strategies, including ride and incentive rate setting, budget creating and revenue projecting cross-functionally.
- Shortened accounting month-end close for four GL accounts from 27 days to three days by automating reconciliation of data sets from Lyft's payment providers and vendors in SQL.
- Solved and prevented millions of dollars in fiscal loss in products such as over/under-charge recovery and Express Drive with tools I built in SQL that audited engineering teams' business code logic and tests.

EDUCATION

- **Hackbright Academy**, 12-week full-stack software engineering program   **Mar 2019**
- **University of Southern California**, B.A. Economics, Business Law Minor   **May 2014**
- **Universitá Cattolica del Sacro Cuore,** Semester abroad in Milan, Italy   **May 2013**

HONORS AND AWARDS

- **Phenomenal Woman Scholarship** | Hackbright   **Jan 2019**
- **Fond Award** | Lyft   **Aug 2018**
- **Marathon Finisher** | San Francisco Marathon   **Jul 2017**