

# Taylor Milliman

twm013@bucknell.edu | (603) 767-9218 | taylormilliman.me | github.com/twmilli

---

## EDUCATION

**BUCKNELL UNIVERSITY** | B.S. COMPUTER SCIENCE, CHEMICAL ENGINEERING Lewisburg, PA | May 2018  
GPA: 3.84

## EXPERIENCE

**BRAINTREE** | SOFTWARE ENGINEERING INTERN San Francisco, CA | May 2017 – August 2017

- Using Ruby on Rails, SQS, and Kafka to create a new service that will process over 250,000 disputes per month.
- Maintaining the disputes backend which helps merchants to deal with a high volume of customer disputes.
- Migrating key pieces of the application into a microservice that will improve reliability and performance.
- Test driven development, pair programming, and code reviews in order to produce high-quality, reliable software.

**BUCKNELL UNIVERSITY** | RESEARCH ASSISTANT, COMPUTER MODELING OF SOLID OXIDE FUEL CELLS (SOFC)  
Lewisburg, PA | January 2016 – May 2017

- Contributed to the development of a model that accurately predicts the performance of a SOFC anode.
- Implemented an average path length algorithm based on a breath-first search approach using FORTRAN in order to gain insight on path tortuosity for different phases in SOFCs.
- Selected to present research at annual AiChE conference in San Francisco, CA.
- Created visualizations to prove the correctness of the model calculations work using MATLAB.

**BUCKNELL TEACHING AND LEARNING CENTER** | TEACHING ASSISTANT Lewisburg, PA | August 2015 – Present

- Lead a weekly review session, lab session, and grade for Introduction to computer science class.
- Nominated by Faculty to facilitate weekly study groups in Algorithms and Data Structures, Physics, and Chemistry.

## SKILLS

**LANGUAGES** JavaScript, Python, Ruby, Java, C, HTML/CSS  
**TECHNOLOGIES** React, React Native, Redux, Node.js, Rails, D3.js, MongoDB, SQS, git

## PROJECTS

**SMITTEN KITCHEN MOBILE APP** | REACT NATIVE, REDUX, NODE, EXPRESS, MONGODB, PYTHON, HEROKU  
[github.com/twmilli/smitten-kitchen](https://github.com/twmilli/smitten-kitchen)

Cross-platform mobile app to browse, bookmark, and save over 1000 recipes for the popular food blog SmittenKitchen.com. Runs task every hour to keep the recipe database up to date. 30+ stars on github.

**INVEST TRACKER** | REACT, REDUX, NODE, EXPRESS, RECHART, SOCKET.IO, GOOGLE-FINANCE API  
[investracker.herokuapp.com](https://investracker.herokuapp.com)

Beautiful website to visualize stock prices over time that syncs data across clients in real-time.

**REAL-TIME ZOMBIE ACTION GAME** | JAVA, SWING, AGILE, SCRUM [github.com/twmilli/Zombie-Game](https://github.com/twmilli/Zombie-Game)  
Ridiculously fun zombie shooter game built with a few friends. A wide variety of weapons are available including a light saber easter egg.

## AWARDS

**MYBRIDGE REACT.JS TOP 10** JULY 17, 2017

I wrote an article about React Native on Medium that received over 1.7k claps. The article was ranked #3 out of ~1300 articles by Mybridge.