

# Kate Raskauskas

*Motivated and driven software engineer with mechanical engineering background. Experience managing multiple product development projects in a deadline-driven environment.*

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## TECHNICAL PROJECTS

### **Dog Watch** | [GitHub \(front\)](#) | [GitHub \(back\)](#)

*Mobile app: Coordinate day to day pet care*

Tracks feeding, walks, and more for multiple pets in a home. Alerts users if feeding, walks, or medications are due; group admin can set alerts for individuals. React Native front end; Django, Postgres back end.

### **ClickTrip** | [GitHub](#)

*Web app: Budget-centered trip planner*

Leverages multiple APIs to run server-side search for flight, hotel, and activity options. Calculates costs and filters options to only display choices within budget. React front end; Rails, Postgres back end.

### **Cosmos** | [GitHub](#)

*Web app: Browse and post cocktail recipes*

Logged-in users can create and edit their own recipes and 'like' others' recipes. All users can browse recipes by popularity and search recipes with multiple ingredient filters. Static front end, Rails, SQLite back end.

## EXPERIENCE

### **Mechanical Engineer / Project Manager - ZipFlyer**

Bohemia, NY | 2019

Project manager for \$3M and \$2.5M projects; took over compliance for all ongoing projects. Implemented modified Agile practices and developed internal project management and quality procedures. Performed site visits in Hawaii and Tennessee; installed zipline and roller coaster systems. Created Python scripts to automate work tasks such as version comparisons for bills of materials.

### **Fusion 360 Specialist - Autodesk**

Boston, MA | 2016-2018

Provided support and consulting for engineering software in English and German, 20+ customers each week. Performed extensive troubleshooting; created documentation on software use and on how to fix software issues. Edited post processor scripts in JavaScript and tested. Operated computer controlled mills and lathes, laser cutters, and 3D printers.

### **Product Development Engineer – Prysmian Group**

Taunton, MA | 2014-2016

Development, testing, certification, quality checks, and documentation for \$6.5M product line. Project manager for \$1.5M and \$750k products; coordinated manufacture, supply, and testing. Created database of experimental designs and test results in Microsoft Access.

### **Design Engineer Intern - Grenzebach**

Hamlar, Bavaria, Germany | 2011 – 2012

Created 2D and 3D models of industrial equipment including roller conveyors and robot arms. Assisted in design for experimental custom welding head.

## SKILLS

**Languages:** Proficient in Python, Ruby, JavaScript. Familiar with R, Swift

**Proficiencies:** React, React Native, Django, Flask, Rails, SQL, REST API, Git, GitHub, web scraping, Pandas, HTML/CSS

**Professional:** Experiment design, data analysis, product and prototype development, product certification and compliance, use and process documentation, troubleshooting, business and conversational German

## EDUCATION

### **Flatiron School**

New York, NY | Jan 2020 – Apr 2020

*Full stack web development certification*

Ruby, Rails, JavaScript, and React based. Projects include websites, web applications, and CLI applications; coursework also included Redux.

### **Georgia Institute of Technology**

Atlanta, GA | Graduated Spring 2014

BS in Mechanical Engineering, Manufacturing Track. German Minor. International specialization requiring time abroad, language fluency, and related coursework. Math up through differential equations.

### **Universität Stuttgart**

Stuttgart, Germany | Spring Sem. 2012

Pioneer student for undergraduate exchange program. Mechanical Engineering courses including Statistics, Mechanics of Deformable Bodies, and Fluid Dynamics in German.