# Kenny Lipke

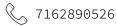
# Full Stack Engineer











#### SKILLS

#### **LANGUAGES**

Python • JavaScript • Type-Script • HTML • CSS • SQL

#### LIBRARIES/FRAMEWORKS

React • Anuglar • Node.js • D3.js • Pandas • NumPy • SciPy • Flask

### **TOOLS/PLATFORMS**

Git • Docker • Linux • Gurobi • **LATEX** 

AWS:

EC2 • Lambda • DynamoDB • S3 • ElasticBeanstalk • Kinesis • Amplify • Cognito • SAM • Code Pipeline • ECR • AppSync • LightSail

App Engine • Firestore • CloudFunctions • Compute Engine

# **EDUCATION**

#### **CORNELL UNIVERSITY**

M.Eng in Operations Research May 2018 College of Engineering Cum. GPA: 4.1 / 4.3

B.A. IN MATHEMATICS AND AND ECONOMICS May 2017 College of Arts and Sciences Cum. GPA: 4.0 / 4.0

# HOBBIES

Aviation

Private Pilot Single Engine Land, Single Engine Sea, Rotorcraft Athletics Skiing, Running, Cycling, Hiking Avid reader of history and biography

#### **EXPERIENCE**

**BREEZE** | SOFTWARE ENGINEER

September 2023 - Present | Remote, Salt Lake City, Utah

- → Architected, implemented, and launched integration with Barclays for cobranded credit card 🔇 😃
- → Managed booking processes on all platforms for all bookings
- → Built and A/B test enhancements to application





**HELLOMETER** | Founding Engineer

December 2020 - December 2022 | Remote

- → Created and maintained React web-app giving customers real-time data, live video, analytics, and account management 🎡 🟓 🔷 🔳
- → Built and maintained automated email system to update customers, driving engagement actively reaching 90% of customers 🤚 🔤 💍
- → Successfully migrated backend API to AWS SAM, improving response speed by ~750ms and decreasing costs by 70% aws 4
- → Led development on drive-thru monitor, building front-end and facilitating integration with the back-end and CV model 🎡 🍦 🖐
- → Created an internal tool to manage customer accounts, email generation, and deployed devices 🎡 👶 🗅
- → Leveraged technical expertise to support customers, analyze data, recommend solutions, and automate web analytics 🎡 🥦 🔤 📌

#### **BOOZ ALLEN HAMILTON** I DATA SCIENTIST

August 2018 - December 2020 | D.C. Metro

- → Developed custom schedule optimization algorithm using Python to efficiently migrate IT systems to the cloud 👶 🥦
- → Analyzed and optimized a demand response scheme for an FBI client to reduce energy consumption and minimize costs 👶 🥦
- → Served as a war gaming analyst for the Office of the Secretary of Defense simulating missile guidance systems
- → Developed custom web-enabled, interactive dashboards levering D3.js to communicate results of analysis to leadership 3

# **PROJECTS**

#### FORMULA 1 FANTASY APPLICATION

→ Full-stack web application built on AWS Amplify for my friends and I to try to predict race outcomes each week. ReactJS front-end with a serverless backend leveraging Cognito, GraphQL, and DynamoDB 🤲 🦃 🗘

#### SCHOOL SCHEDULE OPTIMIZER

→ Built a schedule optimizer with Python and SCIP for a local middle school. It ingests student course preferences, as well as teacher, room, and graduation requirement constraints to create a master schedule as well as schedules for each student 🥐