

# Jonathan Tseng

JavaScript • Python • Golang  
AWS • Docker • Kubernetes • Git

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## Experiences

**Cogo Labs** - Cambridge, MA

July 2020 - Present

### Software Engineer

- Create ETL pipelines to ingest partner data from **AWS S3** using **Apache Airflow**
- Maintain business-critical email sending pipeline in **Python** and **PySpark**, processing more than 20M sends/day
- Build multi-threaded processes in **Golang** to dedupe partitioned data on S3
- Increase visibility of background processes by building alerts on **InfluxDB** queries using **Kubernetes CronJobs**

**InsightSquared** - Boston, MA

July 2019 - June 2020

### Software Engineer Co-op

- Developed data visualization interfaces using **React** hooks and contexts
- Built onboarding process for new SaaS clients without engineering effort
- Incorporated **InfluxDB** and **Grafana** dashboards for better background visibility
- Designed mechanisms to prevent race conditions from concurrent API requests
- Created microservices triggered after ETL pipelines using **Celery** and **RabbitMQ**

**SmarterTravel** - Boston, MA

July 2018 - December 2018

### Software Engineer Co-op

- Created web tools in **React** to help analysts launch dynamic ads on Facebook
- Improved performance of websites by reducing HTTP requests and re-renders
- Migrated existing codebases to serverless technologies such as **AWS Lambda**

## Projects

**Outtink** [A Voice for Students Studying Abroad]

August 2020 - Present

### Co-Founder

- Launched a team of 5 to capture stories of students studying abroad, executing decisions across journalism, social media, and engineering focuses using KPIs
- Develop a **React** website built on **Gatsby** using design mockups from **Sketch**
- Integrate **headless CMS** platforms to reduce onboard complexity for journalists

**Scout** [A Student-Led Design Studio]

January 2019 - May 2019

### Full Stack Developer

- Developed mobile application to help parents monitor children's asthma
- Prototyped a cross-platform mobile application in **React Native** and **Redux**
- Worked with medical professionals to test prototypes and evaluate usability