

Christopher Forsythe

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EXPERIENCE

Yelp

Technical Lead (Local Biz)

April 2022 - Current

- Led an end-to-end CMS evaluation across five enterprise vendors, coordinating requirements gathering, vendor demos, POC development, and multi-stakeholder scoring to identify a cost-reducing replacement currently pending executive approval.
- Collaborated with 4 stakeholders to prioritize a project aimed at improving mobile performance of a revenue-critical page by 50% and reducing future design costs by 50% by transitioning to server-driven UI.
- Led a project to refactor two web pages, responsible for \$50 million annually, by building a new microservice which abstracted connection to a marketing CMS, made designs reusable, reduced development time, and enabled marketing to experiment with content 100% faster.

Software Engineer (Notifications Platform)

August 2019 - April 2022

- Decreased Mercury's (Yelp's notification platform) instance cost by 35% by refactoring Mercury to use Amazon SQS instead of Kafka while also improving observability, reliability, and scalability of the Mercury platform.
- Spearheaded a multi-project initiative to minimize on-call and onpoint time which reduced on-call lead time from 2 weeks to 1 day and reduced cycle time from 9 days to 4 days.
- Mentored multiple engineers and created documentation and videos to improve their onboarding experience.

United States Naval Research Laboratory

April 2018 - August 2019

Student Trainee/Intern

- Improved [CylcWeb](#) client load time by 40% and reduced data transfer from Django web server by over 95% by implementing partial page updating.
- Reduced overall bandwidth load during working hours by 30% by engineering a flask server to bundle and compress files to be synced at a later time.

LanguageLine Solutions

June 2017 - August 2017

Software Engineering Intern

- Designed multilayer perceptron using Keras to forecast 2017 call patterns within 3% of previous manual efforts using 5 years of historical data and considering impacts of seasonality, holidays, and other factors.
 - Improved support ticket classification up to 5% better than previous methods by creating a training website and scikit-learn model to classify support tickets based on text contents.
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SKILLS

- **Languages:** Python, TypeScript, Javascript, C++, C, HTML
 - **Technologies:** Kafka, Amazon SQS, Splunk, Cassandra, MySQL, [Paasta](#), Docker, AWS Data, React, GraphQL, Spark, Next.js, PostgreSQL
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EDUCATION

Bachelors of Computer Science (3.72 GPA) - California State University, Monterey Bay

May 2019