

Dorothy Jung

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EDUCATION

University of California, Berkeley

B.A. Computer Science, B.A. French with Honors; GPA: 3.61

Berkeley, CA

May 2015

Université de Nice, Sophia-Antipolis

Study Abroad, Engineering Entrepreneurship; GPA: 4.00

Nice, France

Jun 2015 – Aug 2015

EXPERIENCE

Yelp

Engineering Manager

San Francisco, CA & London, England

Nov 2020 – Present

Ad Engagement: Built and scaled an engineering team of Software Engineers, ML Engineers, and Applied Scientists from the ground up in the UK. Currently leading development for ad content ranking and ad matching algorithms.

Ad Quality: Led a 12-person engineering team to improve ad targeting on Yelp. Major projects included a new Neural Net model for ads ranking and an overhaul of model serving infrastructure onto MLeap.

Diversity and Inclusion Initiatives: Head of EU Women in Engineering group at Yelp. Partner with internal and external organizations to plan inclusive events, as well as source, interview, and hire diverse candidates.

Software Engineer

Aug 2015 – Nov 2020

Yelp Delivery Monetization: Designed and implemented changes to add sponsored results to Yelp Delivery search pages as a part of COVID-19 relief efforts (Python, Java, Elasticsearch).

Ad Stream Processing: Added stages to the stream processing pipeline for ad views and clicks to control ad campaigns in real-time in accordance with daily budget goals (Python, Spark, Kafka, Cassandra).

Request a Quote Ads: Led a cross-team project to monetize the Request a Quote flow for Home and Local Services businesses. Scoped end-to-end changes and contributed to implementation by fetching relevant advertising businesses and rendering data in ad unit (Javascript, Python, Elasticsearch).

Ad Campaign Management API: Designed a new internal API used for fetching ad campaign data, utilized by other services at Yelp for online and offline use cases. Migrated legacy production code out of a monolithic repository and into a service (Python, MySQL).

DreamWorks Animation

R&D Intern

Redwood City, CA

Jan 2014 – Jun 2014

Rendering Software Modernization: Enhanced existing proprietary rendering software to support new C++11 features available in latest compiler version (C++).

Package Audit Tool: Wrote a cmdline tool to audit metadata for studio software and third-party plug-ins including Maya, Houdini, and Nuke (Python).

Studio Production Support: Communicated with Technical Directors and developers about software integration on *How to Train Your Dragon 2* and *Penguins of Madagascar*.

Mirixa Corporation

Engineering Intern

Emeryville, CA

Sep 2013 – Nov 2013

Pharmaceutical Platform: Generated user stories and test cases to assess functionality of a clinical platform used by commercial pharmacies and pharmaceutical schools (Javascript).

PROJECTS

OnCall of Duty: Interactive choose-your-own-adventure game for simulating engineering on-call scenarios. Presented at *SRECon Americas 2019* and featured in industry newsletters *DevOps Weekly* and *SRE Weekly*.

mineti.co: Analytics tool to measure consumer emotional response from EEG data. Placed in top 10 out of 85 teams at the European Innovation Academy. Finalist for the Novak Druce Innovation Award (Node.js, d3.js, Postgres, Emotiv SDK).

TALKS & PUBLICATIONS

The process: Implementing Yelp's failover strategy: An inside look at Yelp's failover and autoscaling strategy, including how to handle shifts in traffic during an outage using autotuned defaults. Published in *Increment* (Issue 16: Reliability), a quarterly print and digital magazine produced by Stripe.

What I wish I knew before going on-call: Guidelines for Site Reliability Engineers and software developers on on-call onboarding, incident response, and organizational documentation. Presented at *LISA 2018* in Nashville, TN.

PROGRAMMING SKILLS

Languages: Python, Java, C++, Javascript, SQL

Technologies: Spark, Kafka, Cassandra, AWS