

# Dian Lin

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## Experience

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### Google

Mountain View, California

SOFTWARE ENGINEER

Aug 2020 - Current

- Advertiser Platform Team

### Flexport

San Francisco, CA

SOFTWARE ENGINEERING INTERN

Jan 2020 - Apr 2020

- Added metadata attribute to both API v2 and Purchase Order CSV schema which allow end users to store information on a resource that is not captured in a Flexport-defined field
- Incorporated row type property into Purchase Order CSV schema to help customers and operators better differentiate information, such as headers and line items, they wish to store
- Initiated an automatic pipeline for transferring purchase order information to booking

### Opendoor

San Francisco, CA

SOFTWARE ENGINEERING INTERN

Sep 2019 - Dec 2019

- Improved the delivery performance of landing page (eg. reduced load time by 60%) by employing client-side optimization
- Created a new Slack integration to facilitated communication between customer experience officers and mortgage consultants
- Implemented Iterable workflows that deliver personalized and targeted emails and text messages to end users

### Google

Kirkland, WA

SOFTWARE ENGINEERING INTERN

Jun 2019 - Sep 2019

- Implemented a management system which allocates available resources to each operation that pushes, pulls, and authenticates information from external engines such as Bing, Yahoo Japan and Baidu
- Created real-time interactive dashboards that display quota usages and alerts the team when there is an unexpected high quota exceeded rate
- Developed OAuth token and username/password authenticator that enabled account migration and local/QA environment testing

### Datadog

New York City, NY

SOFTWARE ENGINEERING INTERN

Apr 2019 - Jun 2019

- Implemented retry strategies that resolve HTTP 429 Too Many Requests errors in different web-based crawlers
- Developed an integration for Dingtalk Chatbot to subscribe to real-time alert messages from Datadog using a Redis worker and RESTful API
- Architected a new web crawler to concurrently collect and parse timer, engagement, and dimension metrics from Akamai mPulse

### Oz Management

New York City, NY

APPLICATION DEVELOPMENT INTERN

Jun 2018 - Sep 2018

- Built a global IPO/Follow-on/Acquisitions monitoring tool that displays performance history/forecast, profit & loss, and compliance status
- Automated categorization process for Reports Portal which automatically routes email to its designated department or team and reduced number of unclassified emails by more than 20%
- Implemented SuperCache, which reduced Bloomberg requests made by 15% and projected to save \$25000 annually

## Education

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### University of California San Diego

San Diego, CA

BACHELOR OF SCIENCE, COMPUTER SCIENCE

Sep 2016 - Jun 2020

## Projects

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### UCSD CS Wiki

- Developed a website where UCSD students and professors can share their expertise and experience about computer science, from class offerings and graduation requirements to open source projects and academic research
- Implemented an academic planner for UCSD undergraduates, which provides visual feedback with prerequisites and degree requirements
- Created features that allow users to convert the planner into PDF format which simplified the feedback exchange process

### WaitNoMore

- Developed a web application that allows users to explore restaurants, know the waiting time of restaurants, join the current waitlist of the restaurant and make orders and payments ahead of time
- Displayed crowdedness of the restaurants on Google Map and restaurants menu along with prices
- Provided users with real-time updates about their orders and integrated online payments