

Andrew Dang-Tran

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EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN

Bachelor of Science in Computer
Science

May 2017 | Austin, TX

Major GPA: 3.5/4.0

LINKS

PersonalSite:// AndrewDang-Tran

Github:// AndrewDang-Tran

LinkedIn:// AndrewDang-Tran

COURSEWORK

UNDERGRADUATE

Intro to Programming

Data Structures

Computer Architecture

Object-Oriented Programming

Operating Systems

Discrete Mathematics

Algorithms & Complexity

Computer Graphics

Software Engineering

Programming Correctness & Efficiency

Android Mobile Computing

SKILLS

PROGRAMMING LANGUAGES

Java • Javascript • Python • HTML •

CSS • C++

TECHNOLOGIES

Java Spring • Django • Node • React •

Angular

TOOLING

Docker • Jenkins

LANGUAGES

Japanese (intermediate)

EXPERIENCE

QUALTRICS | Software Engineer II

October 2019 - August 2021 | Seattle, WA

- Collaborating across 4 teams, I was the project lead designing and implementing Qualtrics' platform solution for assigning sentiment to survey choices
- Designed and delivered the dynamic benchmark product feature allowing dashboard users to compare data across their organization
- Modeled complex employee engagement use cases, data, and API for Qualtrics' survey invitation link creation and authentication service

QUALTRICS | Software Engineer I

July 2017 - October 2019 | Seattle, WA

- Transitioned the Employee Experience dashboards exports from a custom solution to the platform, and found an optimization halving the number of data requests
- Implemented 2 widgets for visualizing data utilizing D3 and Angular making up 53% of widget creation on Employee Experience dashboards
- Promoted Jest for API tests which was adopted across the organization and increased the number of API tests in a quarter by 36% (780 to 1068)
- Drives operational improvements of 4+ services through metrics, alerting and on-call
- Spread knowledge across the organization with brown bags on ETL in Qualtrics' datapatform, Dimensional Modeling, and War Games
- Worked on the Employee Experience product with Java Spring, Node, Angular, MySQL

WIZEHIRE | Software Engineering Intern

June 2016 - May 2017 | Austin, TX

- Constructed an automated reminder to finish applications e-mail increasing completion rate by 10%
- Overhauled the mobile application experience improving job seeker conversions by 100%
- Built a custom deployment manager to deploy WizeHire code with a single button click
- Create an improved UI/UX experience for posting jobs, allowing drafts, and editing
- Created a fail-safe mechanism which prevented entries with missing fields to be inserted into the MySQL database
- Worked on web application team with Linux, Nginx, and MySQL

PROJECTS

PERFECT INPUT Winter 2021

- Web application which parses Japanese with MeCab and the UniDic dictionary from PDF and text sources
- Compares Japanese language learning input to current knowledge of the language
- Dynamically populate pages with information retrieved utilizing Django REST Framework
- Visualizes a network graph of related Japanese morphemes with community analysis
- Developed using Django, PostgreSQL, and React