

MAX TROMANHAUSER

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max.troman.haus

EXPERIENCE

Microsoft Corporation

Redmond, WA

Software Engineer for Azure Active Directory Reporting

Sept, 2016 - Present

- Implemented and refactored reporting features in Active Directory's UI for performance and usability
- Updated the deployment system and deployed the reporting service to sovereign clouds
- Maintained data pipeline that processes billions of events per month
- Investigated and mitigated bugs and customer requests

Computer and Information Science Department, University of Pennsylvania

Philadelphia, PA

Head Teaching Assistant for Introduction to Computer Programming

May, 2015 - May, 2016

- Managed 60 teaching assistants
- Planned and lead weekly staff meetings and TA training sessions
- Wrote recitation plans and assignments

Teaching Assistant for Introduction to Computer Programming

Sept, 2013 - May, 2016

Teaching Assistant for JavaScript

Spring 2015

- Lead weekly recitation of 20 students
- Graded student homework and exams
- Held office hours to assist students

EDUCATION

University of Pennsylvania

Philadelphia, PA

Bachelor of Science in Engineering in Computer Science

May, 2016

Minor in Mathematics

Cumulative GPA: 3.22 / 4.00

Relevant Courses: Internet & Web Systems, Advanced Topics in Algorithms and Complexity, Introduction to Networks & Security, Database & Information Systems, Computer Operating Systems, Introduction to Artificial Intelligence

PROJECTS

Bingle

Fall, 2015

Internet search engine created with a team for Internet & Web Systems final project
Developed in Java with Amazon Web Services, Amazon DynamoDB, and Apache Spark

EZPark

Fall, 2015 - Spring, 2016

Parking garage payment system that uses license plate recognition to automatically charge customers
Senior design project created in a team of four
Won second place prize out of 33 in Computer Science Senior Design Competition

Kashaya English Dictionary

Spring, 2015

Mobile dictionary app for Kashaya language which implements search in Kashaya or English
Written for Android with a team for Software Design and Engineering

ILMUNC India (www.ilmunc-india.com)

Spring, 2015

Wrote the front end for the Ivy League Model United Nations Conference India
Developed using Foundation, Grunt, SASS, and JavaScript

Intro Courses Admin Console

Jan, 2014 - Jan, 2015

Added features to interface allowing CIS110 staff to interact with student grades database
Refactored existing code base to allow for easier development

MoneyMore (mtrom.github.io/venmore)

Fall, 2014

Fall 2014 PennApps team submission that displays social interactions based on your Venmo feed
Developed using Node.js, Express, Angular.js, d3.js, and the Venmo API