

YILIN GUO

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EDUCATION

University of Michigan

B.S.E. in Computer Science Engineering

Sept 2015 - Apr 2017

Ann Arbor, Michigan

- Courses taken: data structures and algorithms, database, operating systems, networking, mobile application development

Shanghai Jiao Tong University

B.S.E. in Electrical and Computer Engineering

Sept 2013 - Aug 2017

Shanghai, China

- Courses taken: linear algebra, probability and statistics, intro to logical design, programming and introductory data structure

WORK EXPERIENCE

Software Development Engineer

Amazon Web Service

Sept 2017 -

Seattle

- Member of Elastic Block Store (EBS) team providing block-level storage for Elastic Compute Cloud (EC2) instances
- Design and implement algorithms on how to spread partitions across servers for optimal performance
- Thin provisioning (oversell capacity) for better profit

PROJECTS

Mobile Sakai Android App

May 2014 - July 2014

- Designed for students to browse resources, query assignments and exam grades
- Utilized the Sakai 10.0 API for due time, appointment time, etc.
- Implemented reminder function to alert due time

ER-Reader Prototype

Sept 2015 - Nov 2015

- Able to select books from the library, turn pages with page number displayed
- Graphical user interface implemented with Java *swing*

Cross-4 Chess Game

Sept 2016 - Nov 2016

- Let two players play by turns in separate windows until one player wins by getting four pieces consecutively in a row
- Socket programming with one server and two clients
- Graphical user interface implemented with Java *swing*

TECHNICAL STRENGTHS

Fields of Interest

back-end development, iOS development, Android development

Computer Languages

C++(proficient), Java(proficient), Objective-C(proficient), C(prior experience), Python(prior experience)

Other Languages

SQL, HTML, CSS

Tools

Git, Vim, GDB, Valgrind