

## EDUCATION

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- **Santa Clara University** Santa Clara, CA  
*M.S. Computer Science & Engineering, GPA: 3.7/4.0* Sep. 2021 – May. 2023
- **Northeast Normal University** Changchun, China  
*B.S. Library Science, School of Information Science and Technology, GPA: 3.78/5.0* Aug. 2013 – Jun. 2017

## SKILLS & QUALIFICATION

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- **Courses:** Algorithms, Database Systems, Computer Networks, Distributed Systems, Web Search & Information Retrieval, Computer Architecture, Abstract Data Types & Structures, Web Programming
- **Tech Stacks:** C/C++, C#, Mono, JavaScript, TypeScript, React / Redux, HTML, Oracle, Fastify, Git, Latex

## WORK EXPERIENCE

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- **Amazon.com Services LLC** Bellevue, WA  
*Software Dev Engineer Intern at AWS WorkDocs* Jun. 2022 - Sep. 2022
  - Completed POC project of WorkDocs Drive for Linux based on Mono .NET framework
  - This systemd service able to invoked FUSE native callbacks using C# toolchain, able to mount a virtual directory under user home directory, and list / modify cloud contents under it
  - Integrated / Reimplemented existing authentication and file system logic for mac to Linux Client
- **NetEase Media Technology (Beijing) Co., Ltd** Beijing, China  
*Intern & Senior Content Editor, theLivings Non-Fiction Literature Studio* Jun. 2016 - Feb. 2020
  - Web programming in studio's projects, such as *One Day in China*<sup>2</sup> (HTML, CSS), HTML5 Pages.
  - Converted articles into HTML and published them online through the backend system.

## PERSONAL PROJECT

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- **My Personal Blog**<sup>3</sup> Sep. 2021 – Jan. 2022  
*Where I learn and practice my skills apart from regular school works*
  - Fastify as backend RESTful API, providing posts CRUD operations and user management functions, storing data in MariaDB. Developing and deploying using docker-compose.
  - React as the frontend Single Page Application UI framework, Redux as the single data flow controller. Using the Flex layout technique. Both frontend and backend are written in TypeScript.
- **Yelp Database using MySQL and Java** Feb. 2021 – Mar. 2021  
*The final project in the course Database Systems*
  - Developed a stand-alone data analysis Java application for Yelp's user's reviews. Mapped designed schemas to the MySQL. Able to select specific data with emphasis on database infrastructure.
- **TCP Web Server For Network Communication** Jan. 2022 – Feb. 2022  
*The mid-term project in the course Distributed Systems*
  - Developed a server that will retrieve the content of the requested file or return an HTTP error according to the HTTP requests the client sent.
  - Implemented GET method, supports HTTP/1.1 protocols, is able to handle multiple simultaneous TCP connections and will automatically end the connection which is idle for 60 seconds.

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<sup>1</sup>My LinkedIn: <https://www.linkedin.com/in/yx-ren/>, latest resume: <https://yuxin.press/uploads/resume.pdf>

<sup>2</sup>*One Day in China*: <http://renjian.163.com/special/onedayinchina/>

<sup>3</sup>My Personal Blog: <https://yuxin.press>