

Yu(Ashley) Shi

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Available Jan. 2021 - Dec. 2021

SUMMARY

A passionate developer with solid computer science foundations looking for web development(backend/frontend) internships.

EDUCATION

Northeastern University, Silicon Valley, CA

January 2020 - December 2021

Candidate for M.S. in Computer Systems Engineering, GPA 4.0/4.0

Courses: Application Engineering and Development, Database Design and Management, Web Development Tools and Methods, Smartphone-based App Development

Tongji University, Shanghai, China

September 2008 - June 2012

B.Eng. in Civil Engineering

Related Courses: Data Structures and Algorithms, Operating Systems

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript/HTML/CSS, C/C++, Dart
- **Frameworks:** JavaFX, Express, React, Bootstrap, Flutter, Tensorflow
- **Database:** Microsoft SQL, Oracle SQL, MongoDB
- **Others:** Git, Unit Test, JavaFX-based Desktop App Development, Tableau

PROJECTS

DigitRecognizer - a handwritten-digit recognition application

- Created a full stack desktop app to recognize handwritten digits from touch screen or mouse with **99%** accuracy via machine learning
- Built and trained a **convolutional neural network** on MNIST dataset with **Tensorflow**
- Designed and implemented GUI with **JavaFX**

BobaHotel - a hotel database system

- Led a team of 4, designed a database managing booking events as well as daily operations in hotels
- Built and maintained the physical database on **Microsoft SQL**
- Implemented query **APIs** to handle customized DDL/DML/DQL queries
- Utilized **data encryption** to enhance database security

YCode - my personal website

- Created my personal website showcasing a series of mini web apps (e.g. piano game)
- Designed UI and implemented it with **HTML/CSS/Javascript**, hosted on Github

AskNotes - a task management web application

- Designed and built a web app with **React.js** managing notes and todos
- Utilized **MongoDB** to perform CRUD operations and deployed with **Heroku**
- Enhanced authentication flows with **Google OAuth**
- Built my own **RESTful APIs** from scratch

GarageSale - an Android app hosting garage sales

- Designed and built an Android app with **Flutter & Dart**
- Integrated with external APIs like **Google Maps**
- Deployed with **Firebase Services**

WORK EXPERIENCE

Shanghai Theatre Academy, Shanghai, China

July 2012 - October 2016

Senior Technical Project Manager

- Created technical drawings and updated design changes upon request of clients in AutoCAD and building information models(BIM).
- Collaborated with team members to perform data analysis on technical problems and evaluate expense-efficiency balance.
- Maintained tactical control of project budgets and timelines to keep teams on-task and achieve schedule targets.