Rouni Yin

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EDUCATION

Northeastern University, Boston, MA

Khoury College of Computer Sciences   Sep.2018 – Present

Candidate for a Master of Science, Computer Science. GPA 3.8/4.0   Expected Graduation: Dec.2020

Related courses: Object-Oriented Design, Database Management System, Discrete Math and Data Structures,
Algorithms, Web Development, Android App Development, Machine Learning

University of Electronics Science and Technology of China, Chengdu, China

Bachelor of Science in Applied Chemistry   Sep.2014 – Jul.2018

TECHNICAL KNOWLEDGE

Programming Language:	Java, C, Python, JavaScript, HTML, CSS, Elixir, React.js, Vue.js
Software:	IntelliJ, Eclipse, Git, Visual Studio, MATLAB
Database:	MySQL, Postgres

ACADEMIC PROJECTS

Northeastern University, Boston, MA

Sleep Forest – Healthy Sleep Habit-Building Android App in Java   Mar.2020 – Apr.2020
- Enabled users to schedule a bedtime, send alarm notifications and tracked phone usage by monitoring screen-on time
- Utilized a accelerometer sensor to detect if a user is awake and offered white noise to improve users' sleep quality
- Designed a reward system based on RoomDatabase in which plant different amazing trees by achieving bedtime and maintaining enough sleep.

Popo – Location Based Chat and Life-Sharing Application   Nov.2019 – Dec.2019
- Completed server side logic using Phoenix and Elixir, client side in Java Script and Postgres database to store the user account info, posts and messages
- Utilized HTML5 geolocation and Google Map and Geocoding APIs to connect the nearby users, explore nearby posts, and visualize locations
- Used channels in Phoenix to implement real-time chatting and handle requests to add friends

Streamer Survival Guide on Twitch.tv   Jul.2019 – Aug.2019
- Designed and established a relational database using MySQL and analyzed data to give suggestions on streaming according to the users' demands
- Made a web crawler in Python and utilized official API to collect data

Image Processor   Mar.2019 – Apr.2019
- Developed OOP application in Java that can process images by filtering and toning, generate images
- Designed and built GUI with Java Swing library for displaying image according to input batch script and supporting user-interactive operations including open, save, undo, redo and process

WORK EXPERIENCE

VODA.ai, Boston, MA

Full-stack Software Engineer Co-op   Feb.2020 – Jul.2020
- Designed Web UI interface for product interaction with customers using JavaScript, React.js and ArcGis
- Designed and implemented Web server, API with which customers can provide data and QA automation in Cypress

Tencent, Guangdong, China

Full-stack Software Engineer Intern   Jul.2020 – Sep.2020
- Working on a MIS project at WeChat Pay. Build up the web UI in Vue.js, and Web server, APIs via Koa
- Implemented management process for both internal & external projects including initiation, modification and code synchronization in external project.

Sichuan Quanshi Infrared Technology Co., Ltd., Sichuan, China

Intern   Dec.2016 – Jun.2017
- Optimized the algorithms using C by adjusting formula and coefficient to improve the quality of the image in greyscale and clarity for a night-vision device used for driving in the dark

VOLUNTEER EXPERIENCE

Volunteers Association in University of Electronics Science and Technology of China   Sep.2016 – Jul.2017
- Collaborated with the department to organize activities to care for children with autism