

Kaile Ye

SOFTWARE DEVELOPER

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Education

Stony Brook University

Stony Brook, NY

BACHELOR OF SCIENCE, COMPUTER SCIENCE

Aug. 2013 - May 2017

- GPA: 3.41
- Computer Science Honors Program, University Scholars Program, Presidential Scholarship
- Relevant Coursework: Algorithms, Database Systems, Data Structures, Computer Networks, Computer Security, Advanced Systems-Level Programming, Operating Systems, Internet Programming

Skills & Strengths

Languages

JAVA • JAVA EE • C • VB.NET • HTML • CSS • JAVASCRIPT • SQL • PL/SQL • LATEX

Teamwork

- Comfortable working both individually and on a team. Able to communicate well. Experienced with distributed version control systems such as Git.

Professional

- Neat, organized, honest, detail-oriented, and a quick learner. Open to new ideas and feedback.

Experience

ScholarChip - Software Developer Intern

Hicksville, NY

VB.NET, ORACLE DATABASE

Dec. 2016 - Jan. 2017

- Improved functionality on daily scheduled student import programs by adding recovery processes in case of various database errors due to school supplied data.
- Improved communication to schools by integrating an automated email sender into the student import programs.
- Implemented a program to analyze schools' calendar data and process holidays based on each school's calendar pattern.

Projects

WithFriends - Social Media Website

JAVA, JAVA EE(JSP, SERVLETS, JDBC, EL, JSTL), MYSQL, BOOTSTRAP, JQUERY

Oct. 2016 - Dec. 2016

- Collaborated with two other students to develop a social media website where users can search for and add friends, write posts and comments, send messages, and create or join groups.
- Utilized Bootstrap framework and jQuery library to create a responsive and elegant front-end.
- Coded servlets to handle application logic and utilized JDBC to perform SQL commands.

Xv6 Extensions

C, UNIX, OPERATING SYSTEMS

Feb. 2016 - Apr. 2016

- Coded advanced extensions to xv6, a simple Unix-like operating system.
- Redesigned the simple round-robin scheduling policy into a lottery scheduling policy, which grants more CPU timeslices to higher priority processes.
- Implemented the Unix Fast File System by dividing xv6's single block system into multiple block groups, and designed heuristics such as: placing new directories in the least-utilized block group, placing files of the same directory in the same block group, and spreading large files across multiple block groups.

Exam Center Scheduling Website

JAVA, JAVA EE(JSP, SERVLETS, JPA), MYSQL

Aug. 2015 - Dec. 2015

- Collaborated with three other students to develop an exam scheduling website for Stony Brook University's recently renovated Frey Hall testing center. Directed team meetings and helped divide project responsibilities. Presented the final product.
- Devised JPA mappings between Java objects and a MySQL database for back-end persistence.
- Implemented actual utilization and expected utilization formulas to calculate and limit student usage for the testing center at specific date ranges due to limited seating.