

KEWEN GU

kgu@wpi.edu | (917)386-7051 | 100 Institute Rd, Box 4183 | Worcester, MA 01609 | www.kewengu.com

SUMMARY

Trained to be a competent software engineer. Reliable and attention to detail with some key internships and project experiences. Specialized in software development, and always passionate about web technologies.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelor of Science, Computer Science, May 2017

Related Courses: Object Oriented Design Concepts (Java), System Programming Concepts (C/C++), Operating Systems, Computer Networks, Database System, Software Engineering, Web Technology, Distributed Systems, Artificial Intelligence, Mobile and Ubiquitous Computing

SKILLS

C/C++, Java, Python, HTML, CSS, JavaScript, Node.js, JSON, REST, AJAX, SQL, Android, Unix/Linux, Git

EXPERIENCE

Barclays Investment Bank, New York, NY

DevOps Engineer Intern, Oct 2016 – Dec 2016

- Set up virtual environment, containerizing and migrating the existing ASP.NET web application from physical Windows servers to the cloud environment
- Investigated different tools and technologies such as libvirt/KVM, Docker, Vagrant, Chef, etc.
- Evaluated the pros and cons of each tool, and the possible ways to fulfill Barclays' needs with these tools, both efficiently and securely
- Carried out a roadmap with recommendations to assist Barclays' continuation of the migration process

OlikTech Inc., Newton, MA

Software Engineer R&D Intern, May 2016 – Aug 2016

- Worked in Agile/Scrum environment among a group of software engineers
- Performed static analyses on the existing C++ engine code base of OlikView
- Investigated and addressed possible code issues or flaws within the code base
- Eliminated more than 300 potential issues related to software security, performance inefficiency, and code maintainability

PROJECTS

WPI Path Finding Application, Oct 2015 – Dec 2015

- Worked in a software development team, following the Agile Software Development Methodology
- Designed and implemented a path-finding desktop application in Java
- Intended to help people new to WPI find the shortest and most convenient path from a starting location to a destination anywhere on campus, including all indoor and outdoor spots
- Primarily responsible for implementing navigation bar UI and features, and building a web portal interface for querying direction messages using Apache Tomcat web server

"Mood Memo" Website, <https://mood-memo.herokuapp.com/>, Dec 2015

- Designed and implemented a website named "Mood Memo" in a team of 3
- Intended to permit users to add, maintain, and organize their personal moods/thoughts/notes online
- Featured the functionalities such as signing in/signing up, uploading files, changing layouts, searching, sorting, filtering, and sharing with friends
- Primarily in charge of the front-end AJAX implementation, and UI/UX design

Photo Clients and Concurrent Photo Server, Oct 2015

- Designed and implemented a photo client and a concurrent photo server using C
- Familiarized with networking and socket programming for Windows and Unix Operating Systems
- Simulated the application/internet layer, link layer and physical layer of the TCP/IP reference model