Weehawken, NJ 07086 sherman77.xu@gmail.com github.com/Sherman77 Tel: 774-329-5335

**OBJECTIVE:**

An internship in Software Engineering, Computer Science or Information Technology

**EDUCATION:**

**Master of Science, Software Engineering,** August 2018 -Expected May 2020, GPA: 4.0

Stevens Institute of Technology (SIT), Hoboken, NJ, U.S.A

**Master of Science, Material Science and Engineering**, August 2011 - October 2013

Worcester Polytechnic Institute (WPI), Worcester, MA, U.S.A.

**Bachelor of Engineering, Polymer Material Science and Engineering**, August 2007 - June 2011

Wuhan Institute of Technology (WIT), Wuhan, China

**SKILLS:**

* Programming languages: Python, Java, JavaScript
* Database Management Systems: MySQL, MongoDB, PostgreSQL
* Tools and Technologies: HTML 5, CSS 3, Django, Flask, Docker, AWS, Firebase
* Operating Systems: Windows, Linux-Ubuntu, Mac OS

**CORE COURSES:**

* Software Quality Assurance and Maintenance
* Agile Development Methods
* Software Architecture Design
* Algorithms and Data Structure

**ACADEMIC PROJECTS:**

**Course Management System** (Stevens, Institute of Technology, Hoboken, NJ, Fall 2018)

* Developed a web application to store academic information such as completed courses and grades, remaining courses, to enhance the traceability of student’s graduation progress.
* Created a database using SQLite3 to help organize and store all the information related to students’ academic record.
* Developed backend application using Python and Django.

**E-commerce System** (Stevens Institute of Technology, Hoboken, NJ, Fall 2018)

* Developed a program that keeps track of all transaction records and optimizes the inventory control for each store.
* Implemented Object-Oriented design in Python for storing all transaction-related data and rationalizing them in accordance to different objects.

**GEDCOM System (**Stevens Institute of Technology, Hoboken, NJ, Spring 2019)

* Using Scrum, developed a command-line software that reads a GED genealogy file, examines the validity of each tag, stores all valid information, organizes data and presents a summary to users.
* Implemented SQL queries for database design and maintenance.
* Utilized Git for version control, Travis-CI for continuous integration.
* Served as Scrum Master within development team, continuously hosted bi-weekly Scrum Planning and Review Meeting.

**‘QuAck’ advertisements website**(Stevens Institute of Technology, Hoboken, NJ, Spring 2019)

* Designed and developed a classified advertisements web application with sections devoted to marketplace, housing, and social events for student community of Stevens Institute of Technology.
* Implemented Model-View-Controller(MVC) pattern on system architectural design.
* Developed and deployed a cloud-hosted Backend as a Service(BaaS) with Google Firebase.
* Developed the frontend application with React and Bootstrap framework.

**CERTIFICATIONS:**

* Fundamentals of Engineering (FE-EIT)
* Certified Internal Auditor for ISO 9001:2015