

HEYU WANG

Houston, TX 77005

[Linkedin](#)

669-609-1520

andywang.98@outlook.com

EDUCATION

Rice University, Houston, TX, U.S.

08/2021-12/2022

Master of Engineering: Electrical and Computer Engineering

GPA: 3.8/4.0

Main Course: Software Engineering Methodology, Database, Machine Learning, Computer System Architecture

Technische Hochschule Luebeck, Luebeck, Schleswig-Holstein, Germany

03/2020-07/2021

Bachelor of Science: Information Technology

GPA: 2.0/1.0

Main Course: Software Engineering II, Computer Network, Database System, Distributed System, Web Application Development, Network

Security, Principles of Compilers

East China University of Science and Technology (ECUST), Shanghai, China

09/2017-07/2021

Bachelor of Engineering: Electrical Engineering and Automation

GPA: 3.4/4.0

Main Course: JAVA programming, C programming, C++ programming, Data Structures and Algorithms, Software Engineering, Information Systems, Operating System

EXPERIENCE

Software Engineering Intern,

Norderstedt, Schleswig-Holstein, Germany

Software Developer Intern at Filiago GmbH & Co., Ltd

03/2021-06/2021

- Designed and developed a Python Django web application with user login, register, authorization, profile and edit
- Developed an internet access control system to dynamically allocate internet access time of assigned users through Python programming on the famous German router Fritz!Box 7450
- Implemented the SQLite3 Database system to store the internet time information and to interact with the router system "Kindersicherung"
- Deployed this model on the Raspberry Pi OS based on Linux and connected the Raspberry Pi with the router
- Web site design and modification with Bootstrap, and data analysis of the information in the system

Rnet Project: Social Network Web Application

Houston, TX, U.S.

Full stack developer, Rice University

09/2021-12/2021

- Built a website in a team work to allow user interactions with JavaScript, Node.js, HTML and CSS in React
- Designed and Implemented a Rice University Map page by using google-maps-react API with user-friendly icon markers to mark different locations on the Rice University map for students to go to and collect coupons
- Used Docker, Google's Cloud Run to deploy the application to a scalable containerized serverless environment
- Realized Data Storage by using and storing the MongoDB in the Firebase platform and use Node.js for backend
- Designed and modified the web site and analyzed the data of the information in the system

Shortify Project: URLs shortener Web Application

Houston, TX, U.S.

Software developer, Rice University

09/2021-12/2021

- Built the Angular 12 application with authorization, profile, login, register, allowing user to shorten URL and view the history in the local web browser
- Designed and decorated the website by using Bootstrap and Angular Material
- Database developed on the Google Cloud Bigtable system and backend by REST API and deployed the service to the Google Cloud Platform (GCP)
- Designed and conducted usability test for quality assurance

BlogNews Project: News Website Application

Luebeck, Germany

Full stack developer, Technische Hochschule Luebeck

09/2020-01/2021

- Built an online blog-like platform to streamline the experience of discovering news and allow the user to login, register, and leave comments
- Designed the web pages by HTML, CSS, and Bootstrap, realized the main backend functionalities by PHP and stored the data into MySQL database
- Designed and implemented the system following MVC design pattern, created the GUI with Java Swing and followed OOP design in the whole project
- The system performed well in the usability test, equivalence test, and boundary test, which showed its high robustness and user-friendliness

SKILLS

Programming Languages: JAVA, PHP, HTML, CSS, SQL, JavaScript, Python, MATLAB, C, C++, Linux

Frameworks: Django, Bootstrap, MongoDB, Docker, OpenCV, TensorFlow API, VMware Workstation

Languages: German(B1), English, Chinese