

# RUICHAO TANG

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## EDUCATION

**Northeastern University – Oakland Campus**, Oakland, CA

September 2023 - Present

*Master of Science in Computer Science Candidate, GPA: 4.0 / 4.0*

*Expected Graduation Date: May 2026*

Relevant Coursework: Artificial Intelligence | Object-Oriented Design | Web Development | AWS Cloud Computing | Algorithms

**University of Electronic Science & Technology of China**, Chengdu, China

September 2016 - June 2020

*Bachelor of Science in Electronic Information Science and Technology, GPA: 3.7 / 4.0*

Relevant Coursework: Advanced Programming Language Design | Digital Circuit and Logic Design

## SKILLS

**Programming Languages:** C, Python, Java, JavaScript

**WebDev Frameworks/tools:** HTML, CSS, Node.js, Express, React, TailwindCSS, Bootstrap5, MongoDB, AWS-Cloud-Architecting,

**AI Frameworks:** scikit-learn, TensorFlow, PyTorch, AWS-Machine-Learning

**Natural Languages:** English, Mandarin

## PROJECTS

**Ruichao's Personal Home Page**

Jan 2025

*Live Project:* <https://ruichaotang.github.io/PersonalHomePage/>

*Github Repository:* <https://github.com/RuichaoTang/PersonalHomePage>

- Utilized Figma for wireframing and created a video presentation for documentation
- Designed and developed a responsive personal portfolio website using HTML5, CSS3, JavaScript and Bootstrap5 to showcase professional experience, technical skills, and project achievements

**Planify - Appointment Management Hub**

Feb 2025

*Live Project:* <https://appointmentmanagehub.onrender.com>

*Github Repository:* <https://github.com/RuichaoTang/AppointmentManageHub>

- Developed a web application enabling visitors to book appointments with registered users, who manage confirmed/unconfirmed bookings via a dedicated dashboard
- Developed a full-stack web app (Node.js/Express/MongoDB) enabling real-time appointment booking and management with JWT authentication, RESTful API integration, and Render deployment

**Nest Land - Real Estate Web Application (MERN Stack)**

August 2024 – September 2024

*Live Project:* <https://mern-realestate-rpou.onrender.com>

*Github repository:* <https://github.com/RuichaoTang/MERN-realEstate>

- Developed and deployed a responsive real estate platform using the MERN stack (MongoDB, Express.js, React, Node.js), hosted on Render
- Enhanced security with advanced authentication systems, leveraging JWT, Firebase, Redux and Google OAuth for user access
- Created real-world CRUD functionality for listings and user profiles, including advanced search filters for listing results
- Designed and built a responsive UI using TailwindCSS with tailored animations, optimized for both desktop and mobile devices
- Integrated real-time updates for listing edits and managing favorites, ensuring immediate synchronization between UI and backend changes.

## PROFESSIONAL & RESEARCH EXP.

**Ultra-Band Electromagnetism Lab | UESTC (P.I. Jiuxun Sun)**

September 2020 – June 2023

*Research Assistant & Grad-Student*

Chengdu, China

- Conducted theoretical research on the properties of electromagnetic waves propagating in time-varying and dispersive media, and optimized the formula
- Calculated the final stage of microwave propagation in time-varying and dispersive media using MATLAB
- Used CST Studio Suite to simulate the thermal/electrical/physical responses of civil drones to specific electromagnetic fields, and assisted in research on the mechanisms by which electromagnetic waves damage typical civil drones

## Availability

Available to start working any time after May 1st, 2025.