

ZHENNAN YAO

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OBJECTIVE

Seeking an entry-level software engineering position

EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA

Master of Science, Computer Science, December 2020

GPA: 3.81

Virginia Polytechnic Institute and State University, Blacksburg, VA

Bachelor of Engineering, Computer Science, May 2019

GPA: 3.52

SKILLS

Programming/Scripting Languages: Swift, Java, Python, C, C++, JavaScript, TypeScript, R

Technologies: HTML, CSS, Bootstrap, Git

Development Software: Xcode, Eclipse, Anaconda, VS Code

EXPERIENCE

Graduate Teaching Assistant

Virginia Polytechnic Institute and State University, Blacksburg, VA, August 2019 – December 2020

- Assisting professor in grading assignments, assisting students with assignments and general inquiries for course CS3714: Apple Mobile Software Development

PROJECTS

YelpCamp (TypeScript, HTML, CSS, Node.js, Express, MongoDB)

- Developed an application to add, rate and review different campgrounds.
- Designed and implemented MongoDB infrastructure to store user and campground data.

Fork-Join Threadpool (C)

- Developed a fork / join framework threadpool that implements work-stealing and work helping.

VTQuestAR (Swift, SwiftUI, Core ML, ARKit)

- Developed an application that runs on iPhone and iPad for Virginia Tech campus visitors.
- Built and trained image classification model to recognize campus buildings.
- Provided complex searches using Core Data Database that allows users to search campus buildings by properties such as name, year built, and category.

FlightHelper (Swift)

- Develop an application for frequent fliers to check flight schedules, scan QR Code of tickets to get flight information, and search amenities near airports.