yubotian.com

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Yubo Tian

Education

Duke University, Durham, NC   **Expected May 2016**
Bachelor of Science Degree in Computer Science; Bachelor of Arts Degree in Biology

- Coursework and project:
    - Operating Systems: built a heap manager, a thread library; implemented a consensus protocol. (C++)
    - Computer Architecture: built a basic processor (data path and control) in Logisim.
    - Computer Networks: built a http proxy with cache; implemented IP and TCP. (C/C++)
    - Artificial Intelligence: built a Pac-man agent that can find path, avoid ghosts and eat food. (Python)
    - Design & Analysis of Algorithms, Database Systems, Data Structures & Algorithms
    - Computational Genomics, Molecular Biology, Genetics and Evolution, Philosophy of Biology
- Skills:
    - Languages: English (fluent), Mandarin Chinese (native), Japanese (elementary)
    - Proficient in C/C++, Java, Python, Javascript, HTML/CSS, SQL, XML
    - Experience with Assembly, MongoDB, AngularJS, Express and Node.js

Work Experience

Software Development Engineer Intern, Microsoft, Redmond, WA   **June 2015 - Aug. 2015**

Working with graphics team in Office

Employee Ambassador, Fuqua School of Business, Durham, NC   **Sept. 2013 - Dec. 2014**

Coordinated and co-organized 32 recruiting presentations with representatives from fortune 500 companies
Provided tech supports, prepared and compiled networking materials as references for future recruiting season

Project

GymBuddy (Swift, SQL)   **Dec. 2014**

An iOS app which pairs up workout partners according to requests and fitness habits. I led a 3 people group through UI design, created database, and implemented controllers and ranking algorithms for multiple views.

Personal Website (AngularJS, Node.js, MongoDB)   **Apr. 2015**

My personal website, an interactive web app with live posting/ dynamic post feeding and full registration and authentication system.

Duke CSA Webapp   **July 2015**

Currently developing Duke Chinese Student Association's web app with hybrid functions like event posting, RSVP, calendar, membership regulation, etc.

Leadership

DukeEngage, Dandelion Middle School, Beijing, China   **May 2014 - Jul. 2014**

Designed and implemented interactive English classes to supplement standard curriculum for 38 7th graders; Led a 10-day summer camp for 26 incoming inexperienced students, taught everything from studying to living; Initiated and facilitated Model United Nations project which attracted 46 8th graders at its first conference.