Sujay Tadwalkar

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Education

Rice University   Houston, TX   (Expected: Spring 2017)
Bachelor of Science in Electrical and Computer Engineering   **GPA: 3.93**
Bachelor of Arts in Computer Science

Technical Experience:
Programming Languages: Python, Java, C, MATLAB
Web Development: Django Python, Java Spring, HTML, CSS, Javascript, AngularJS, NodeJS, EmberJS
Development Tools: Git, Subversion, IntelliJ, PyCharm
Electrical Engineering: Altium PCB Design, Soldering, Systems Design, Digital Signal Processing

Experience

RetailMeNot, Inc
Software Engineering Intern June 2016 - August 2016
TBA

Rice Physical and Biological Computing Group
Undergraduate Research: Algorithms and Development in Bioinformatics, May 2015 - Dec 2015
- Explored algorithmic changes to existing work in protein-ligand docking
- Built a webserver (using Django/Bootstrap/Javascript) to allow users to run fast and reliable docking jobs
- Designed large-scale parallelized experiments for use on computing clusters to analyze success of designs
- Created scripts to conduct statistical analyses and create visualizations of experimental results

Multi-Robot Systems Lab
Undergraduate Research: Electrical Engineering in Swarm Robotics, September 2014 - May 2015
- Designed and built a charging hub for robots using industry-standard CAD and PCB assembly
- Coordinated with board manufacturers and parts-distributors to minimize project costs
- Tested and debugged circuits for functionality using lab equipment like multimeters and oscilloscopes

Rice University Department of Electrical and Computer Engineering
Undergraduate Teaching Assistant January 2014 - May 2015
- Facilitated educational discussions on course forums to remotely assist students interested in course material
- Held weekly sessions to help students understand concepts and solve problems in electrical engineering

HackRice 2014
Won the Makes Life Easy award ($500 for team), January 2014
- Developed an interactive mapping service for Rice students with 1000+ installs on Android market
- Created a Python script to parse XML files and process, import and update raw data into app

Activities

Student Leadership at Rice University
Academic Fellow, Orientation Week Advisor, 2014 - present

Designing with Rice Engineers - Achievement through Mentorship
Head Mentor & Treasurer, 2013 - 2015