Henry Zhou

henry.zhou@tufts.edu | 119 North Street, Somerville, MA 02144 | +1 781.859.8295 | www.ehnree.github.io

Education

Tufts University | Medford, MA   2013-2017
Bachelors of Science Computer Science
GPA: 3.61, Major GPA: 3.80
Relevant Coursework | Algorithms, Data Structures, Operating Systems, Programming Languages, Web Programming, Machine Learning, Advanced Computer Architecture, Natural Language Processing, Machine Structure & Assembly Language Programming, Computer Graphics

Selected Experience

Bloomberg LP | New York, NY   May - Jul 2016
Software Engineering Intern
• Performed full stack web development for the Bloomberg Cross Verticals team.
• Designed and implemented a RESTful web service for application metrics aggregation (GitHub, SonarQube, Jenkins) using Jersey, Maven, and Flyway DB + MySQL.
• Built front end dashboard using Bootstrap 3, jQuery, and CSS3.

Tufts Dept. of Computer Science | Medford, MA   Aug - Ongoing 2016
TA for Comp105 - Programming Languages
• Hosted office hours for students, created file templates for assignments, and graded homeworks.

Redline Trading Solutions | Woburn, MA   May - Aug 2015
Software Engineering Intern
• Expanded and enhanced automated test framework for order execution software.
• Designed and implemented custom logger and test metrics aggregator.
• Tested and debugged new and ticketed features.

Boston360Video | Boston, MA   Aug - Nov 2015
Google Cardboard Developer
• Prototyped Open House VR, an iOS application for steroscopic viewing of 360 degree images of houses using Google Cardboard and Unity.
• Designed and implemented company landing page.

Skills

Software development: C, C++, Java, Python, Git
Front-end: HTML, Javascript, CSS, jQuery, Jekyll
Back-end: Node.js, SQL, NoSQL, Jersey
Other: Jenkins, SonarQube, Unity, JIRA, Maven, IntelliJ IDE, Blender

Projects

Terraform | 3D terrain builder web app. Built with WebGL and Three.js.
Tufts Dining Concept | Web and mobile app conceptualizing new site for Tufts Dining Services. Full stack dev using Node, Express, Twilio, and Bootstrap. Deployed on Heroku.
Mammogram Classifier | Used Google Tensorflow to build a Conv. Neural Net to classify mammograms as cancerous or benign.
Reddit Sentiment Analyzer | Built sentiment classifier for reddit comments using Naive Bayes, Hidden Markhov Models, and various text preprocessing techniques.

Activites

Tufts Consulting Collective | Project manager, coordinate 5 analysts and client relations.
Tufts Polyhack | Co-organizer for the Tufts University's annual fall student hackathon.
Tufts Varsity Track and Field | 110m and 400m hurdler for Tufts T&F for 2 years.