

Henry Zhou

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Education

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

Professional Experience

Bloomberg LP - New York, NY May - Jul 2016
Software Engineering Intern
Performed full stack web development and built an app 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 and jQuery.

Tufts Dept. of Computer Science - Medford, MA Ongoing
TA for Comp105 - Programming Languages
Perform various TA duties including hosting office hours, leading recitations, and grading. Course led by Professor Kathleen Fisher.

Redline Trading Solutions - Woburn, MA May - Aug 2015
Software Engineering Intern
Expanded and enhanced automated test framework for EG product. Designed and implemented custom logger and test metrics aggregator. Refactored monolithic parts of code base. Performed various QA duties such as testing and debugging.

Boston360Video - Boston, MA Aug - Nov 2015
Google Cardboard Developer
Prototyped Open House VR, an iOS application for stereoscopic viewing of 360 degree images of houses using Google Cardboard and Unity. Designed and implemented front end site for start up. Filmed, stitched, and edited 360 degree video content.

Skills

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

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 Markov Models, and various text preprocessing techniques.