

# Victor Chao

40 Lower Campus Road, Medford, MA. 02155

(724) 708-3886, Chia-chi.Chao@tufts.edu

[www.linkedin.com/in/cchao93](http://www.linkedin.com/in/cchao93), [victorychaos.com](http://victorychaos.com)

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## EDUCATION

### Tufts University School of Engineering

Bachelor of Science in Computer Science & Economics in May 2016

## SKILLS

C, C++, C#, Python, Java, JavaScript, NodeJS, ASP.NET, PostgreSQL, MongoDB, Git, Subversion, MatLab, UNIX/Linux, AWS, Redis

## COURSES AND PROJECTS

**Courses:** Operating Systems, Networks, Distributed Computing, Machine Architecture, Algorithms, Machine Learning, Natural Language Processing, Computation Theory, Programming Languages, Web Programming, Electrical Systems, Digital Logic Circuits, Product Development, Engineering Leadership

**Projects:** FuelMeUp: Created a web application that finds cheap gas based on location, car type, and other factors  
Secret Santa Generator: Wrote a script that assigns each Secret Santa participant a gift recipient  
Phongo (Open-ended): Create a web application for restaurant mobile payment and ordering  
FlyingSquid (Ongoing): Implement distributed, cloud-based cache storage and content-aware compression algorithm on Apache Traffic Server to expedite content delivery and reduce client data usage

## WORK EXPERIENCE

### Epic Systems Corporation, Verona, WI

*Software Development Intern*

*Jun. 2015 – Aug. 2015*

- ♦ Designed and implemented interactive application for hospital staff to manage and troubleshoot hardware devices
- ♦ Provided map visualization and capability-based visual filters for existing printer selection and printout tracking utilities
- ♦ Integrated application with two inpatient and outpatient unit map projects to expedite hospital implementation process

### Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI), Boston, MA

*Software Engineering Intern*

*May 2014 – Aug. 2014*

- ♦ Re-engineered corporate site's content management system to enable dynamic content population
- ♦ Developed user management system permitting user registration, login, and communication to promote dialogue in water research community and beyond

### Tufts University Department of Computer Science, Medford, MA

*Teaching Assistant*

*Sep. 2013 – May 2014*

- ♦ Guided over 30 students in completing hands-on labs and offered extra support during office hours
- ♦ Assessed student performance on homework assignments, projects, and exams

### Pitotech Co., Ltd., Changhua, Taiwan

*Software Testing Intern*

*May 2013 – Jun. 2013*

- ♦ Performed functional tests on simulation software which models manufacturing, logistics, and service processes
- ♦ Translated a 600-page instructional manual pertaining to the software from English to Mandarin Chinese