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Eric Bailey

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SKILLS

Languages

Python
JavaScript (+jQuery)
C# and Other Object Oriented Languages (such as Java)
C/C++ (+Analyzing x86 Assembly Code)
HTML5

Technologies

Google App Engine
Microsoft Azure
Unix/Windows programming
Unit testing paradigms
Git/Source Depot

EXPERIENCE

Software Engineering Intern, Microsoft — June-August 2015

- Designed, implemented, and presented a tool to more swiftly create new Azure resources
- Formally tested code using Visual Studio tools and internal Microsoft testing frameworks
- Promoted a more agile and error-free development environment

Tufts University Computer Science TA — Sept 2014-Present

- TA for Theory of Computation and Machine Structure & Assembly Language for 3 semesters
- Held office hours and graded theory-based and project-based classes

EDUCATION

Tufts University Bachelor of Science — Class of 2016

- Senior double majoring in Computer Science and Mathematics
- Dean's List 5/6 semesters
- Overall GPA: 3.65
- Major GPA: 3.81 (CS), 3.70 (Math)

Tufts University Master of Science — Class of 2017

- 1-year Computer Science program from the School of Engineering
- Planned thesis area: Cloud Computing or Computation Theory

PERSONAL PROJECTS

Knoknok — May-July 2014

- Roommate communication mobile app designed to discretely share the status of a dorm room
- Designed and implemented the back-end, hosted on Google App Engine (Python)
- Collaborated with a front-end developer to make a holistic project
- Available on Google Play

RelaWeather — Dec 2014-Jan 2015

- Produces a succinct text-based report comparing today's and yesterday's weather
- Created a cache for local weather data for a speedup of 5s to a few ms per HTTP request
- Implemented the back-end with Google App Engine (Python)
- Available as a webapp, Pebble app, and REST API
  http://relaweather.appspot.com/

TrendQuiz — Feb-Oct 2014

- Webgame based on Google Trends
- Won the Google Prize at the Tufts 2014 Hackathon
- Written in HTML/JavaScript/CSS, hosted on Google App Engine (Python)
  http://trendquiz.com/