

SAM GARFIELD

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(267) 574-5479

EDUCATION

Tufts University
BS, Computer
Science

TECHNICAL SKILLS

C/C++, Express,
Git, Heroku,
HTML, CSS,
Javascript, JSON,
jQuery, Microsoft
Office, MongoDB,
SQL, Mac OS X,
Linux, Kali Linux.

PERSONAL INTERESTS

Running, rock
climbing, cycling,
guitar, comedy, film.

SUMMARY

Computer science graduate with C/C++ proficiency will bring strong analytical skills and rock-climbing tenacity to company searching for Software Engineer/Developer.

QUALIFYING ACCOMPLISHMENTS

Massachusetts Bay Transportation Authority, Boston, MA. Summer 2013

Web Development Intern

- Collaborated with team of five professionals to deliver extensive website updates:
 - Researched latitude and longitude points for each stop to depict more accurate route map.
 - Analyzed large JSON source files and directed them into object-oriented design.
- Researched and developed spreadsheet to present pricing and application benefits and drawbacks of shopping cart options for additional website updates.

Self-directed project

December 2014

- Developed new application to solve for the runner's team problems of inefficiency in choosing and managing cross-country running schedule:
 - Created database of existing routes and developed schema.
 - Developed app. and researched beta with peers to iron out issues.
 - Responded to feedback by allowing ability to customize by adding own routes.
 - Managed data to maintain security and accuracy.
 - Added map feature to improve user-interface.

Tufts Center for Engineering Education and Outreach October 2014 - May 2015

Undergraduate Assistant

- Re-organized >200 Lego sets to facilitate efficient classroom experience for staff.
- Researched and launched WordPress blog and newsletter system.
- Edited and posted content and added new plug-in to improve user experience.
- Designed and programmed teacher-student database using Filemaker.

LEADERSHIP AND SERVICE EXPERIENCE

Bike & Build, Inc., Philadelphia, PA.

Summer 2014

Rider and Fundraiser

- Raised \$4,600 for affordable housing efforts in Philadelphia, by cycling 4,234 miles from Charleston, SC to Santa Cruz, CA.
- Assisted construction managers in building Habitat for Humanity homes for 17 days during 82 day trip.
- Collaborated with team of 32 other cyclists to raise a total of \$170,000.

YMCA, Holland, PA.

Summers 2011, 2012

Lifeguard & Special Needs Coach

- Supervised as many as 40 children at once, many of whom had special needs, both physical and mental.