

CARLTON J. DUFFETT

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carltonduffett.com

School Address:

10 Buick Street, Box 8623
Boston, MA 02215

Permanent Address:

23 Grand Hill Dr.
Dover, MA 02030

EDUCATION:

Boston University College of Engineering, Boston, MA

- Bachelor of Science in Computer Engineering, graduating in May 2016
- Member of Tau Beta Pi Engineering Honor Society
- GPA: **3.89/4.0**, Dean's List 7 consecutive semesters

TECHNICAL SKILLS:

Experienced: RESTful APIs, Python, Django, JavaScript, HTML/CSS, Java, C/C++, Linux
Proficient: Amazon Web Services, Angular.js, Node.js, MySQL, Git, SVN, Perforce
Prior Experience: iOS development, Android development, PHP, Shell Scripting

RELATED EXPERIENCE:

GE Intelligent Platforms

May 2015 - August 2015

Engineering Intern

Huntsville, AL

- Implemented a RESTful API service as a common interface to all test equipment
- Invented an entirely new web application as a test executive for embedded systems

InterSystems Corporation

May 2014 - December 2014

Product Support Intern

Cambridge, MA

- Supported the development and maintenance of internal web applications
- Improved an internal app used to log facilities requests, enabling its mobile and worldwide use

ADDITIONAL EXPERIENCE:

Technology Innovation Scholars Program (TISP)

January 2014 - Present

Inspiration Ambassador

Boston, MA

- Mentor a FIRST robotics team and lead presentations that encourage STEM
- Designed a 1-hour module to teach students the basics of mobile app development

Boston University College of Engineering

January 2013 - Present

Teaching Assistant

Boston, MA

- Lead weekly lab and discussion sections, proctor and grade exams
- Create self-grading, embedded MATLAB problems to enhance online coursework

PROJECTS:

Sundial Solar Monitoring System (Python, Django, Bootstrap, JavaScript, HTML/CSS)

- A platform for monitoring solar systems deployed off the grid in rural Senegal
- Designed and developed the API, web interface, and firmware to support this system

System Test Web (Bootstrap, Angular.js, JavaScript, Python, HTML/CSS)

- An easily customizable web application that executes automated tests on embedded systems
- Designed and developed the entire application stack (both back-end and front-end)