

BRANDON FOSTER

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OBJECTIVE: seeking a software development internship for summer 2014

EDUCATION

Blacksburg, VA **Virginia Tech** **Fall 2012– Spring 2016**

B.S., Computer Science

Data Structures and Algorithms (<i>Java</i>) Computer Organization II (<i>C, MIPS instruction set architecture</i>) Computer Organization I (<i>C, x86 Assembly, bash</i>)	Software Design and Data Structures (<i>Java, Android SDK</i>) Introduction to Software Design (<i>Java</i>) Problem Solving in Computer Science
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Haymarket, VA **Battlefield High School** **Fall 2008 – Spring 2012**

IT Gold Medalist • Summa Cum Laude **GPA: 4.11**

Introduction to Software Design Database Management	Web Technologies IT Foundations
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LANGUAGES AND TECHNOLOGIES

- **Java; C; PHP; HTML; CSS; JavaScript; Python**
- **Eclipse; Git; Bash; Linux; OS X**
- **Node.js; MySQL** (prior experience); **MongoDB** (limited experience)

EMPLOYMENT

Software Developer, Intern **Virginia Tech • Network Infrastructure and Services** **Summer 2013**

UAlerts Chat (<https://github.com/ualerts-org/ualerts-chat>)

- Collaborated on an web chat application on a team of 5 as an experiment for Virginia Tech's emergency notification system
- Built the user interface and client side controllers (MVC architecture) with **Twitter Bootstrap**, and **jQuery**
- Technologies employed: **Java Servlets, Spring Framework**, SockJS (WebSocket emulation), jQuery, Bootstrap

Unified Communications Device Pricing Catalog (<http://www.nis.vt.edu/uc/devices/pricing>)

- Made dynamic tables using **AJAX** techniques and jQuery DataTables (plugin)

Web Development Volunteer **Deloitte (Falls Church, VA)** **Summer 2011**

- Built a tooltip feature to display messages from remote servers via **AJAX** when hovering over table rows
- **HTML, CSS, JavaScript**

TECHNICAL EXPERIENCE

Certifications

- **Certified Internet Webmaster Associate** (Spring 2010)
- **IC³ Internet and Computing Core Certification** (Spring 2009)
- **Node.js Essential Training – lynda.com** (Fall 2013)

Projects

PeckText - collaboration in progress

(<http://pecktext.herokuapp.com/>) a social engagement app that gamifies community service and streamlines volunteer recruitment

- Built the User, Events and About Us pages using HTML, CSS, and JavaScript with Twitter Bootstrap

Notes Blog (<http://course-notes.herokuapp.com/>):

- Blog with Python backend using Django; hosted on Heroku

Personal Web Site (<http://www.brandonkimfoster.com/>):

- Portfolio designed with Twitter Bootstrap

HONORS AND AWARDS

- **Third Prize, Hack Virginia** (Nov. 2013 Charlottesville, VA): Achieved third place out of 14 teams with PeckText (<http://pecktext.herokuapp.com/>)
- **Outstanding Achievement Award in IT Foundations** excellent performance • completed IC³ certification exam
- **Award in Web Technologies and Robotics (2010)** drive train team • communication • teamwork
- **Student Council Association President** planning and facilitating meetings • fundraising • meeting with and writing letters to businesses for sponsorship