

# Haris Hanif

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## Education

University of California, Santa Cruz, CA

Expected Graduation: June 2017

Bachelor's Degree, Computer Science

**Relevant Coursework:** Algorithms And Abstract Data Types, Computer Architecture, Data Programming for Visualization, Web Applications, Software Design, Database Systems, Mobile Applications, and Comparative Programming Languages.

### Coursework Projects:

- *iTradeU*: A responsive web application using the MEAN stack (MongoDB, ExpressJS, AngularJS, NodeJS). It is a bartering and trading app, which matches a user's object to other users that want to trade items for that particular object.
- *Image Optimization Tool*: A web-based tool in PHP that can parse an HTML file and replace IMG tags with PICTURE tags that contain paths to the new image formats. It converts JPG and PNG files to JPG2000 and WEBP files using ImageMagick.
- *Car Maintenance Model*: A web application, which shows when, and what should be replaced on your vehicle to keep it maintained using an average expected mileage interval. This website and its visualizations were created using HTML5, CSS3, JavaScript, jQuery, SVG, and D3.js.
- *SEADS*: A mobile application that allows users to obtain and view visualizations of the data from their SEADS (Smart Energy Analytic Disaggregation Systems) devices. Created this application using Android, Java, XML, and Material Design.

## Tools & Skills

- Programming Languages: C++, Java, and JavaScript.
- OS, Frameworks, and Tools: Linux, Android, HTML, CSS, Bootstrap, jQuery, Sweet.js, D3.js, and Angular.js.

## Experience

Undergraduate Research Assistant

02/16 - Present

Programming Languages Lab, Santa Cruz, CA

- Working on a multi-faceted dynamic information flow library to enhance web security using JavaScript and Sweet.js.
- Using Node.js to create test programs for the library.

Web Content Developer Contractor

08/16 – 09/16

Gap Inc., San Francisco, CA

- Created and maintained Banana Republic websites using W3C standards-based HTML5, CSS3, JavaScript, and jQuery.
- Produced Ecommerce websites by partnering with other web content developers, brand production, and brand web design teams.

Web Content Developer Intern

06/16 – 08/16

Gap Inc., San Francisco, CA

- Worked in the International team for front-end development of Gap and Banana Republic EU/UK/Japan websites
- Developed and produced Ecommerce websites utilizing W3C standards-based HTML5/CSS, JavaScript, and jQuery
- Collaborated with the Design team to incorporate visual design into functional web pages
- Created web interface designs complying with contemporary responsive, mobile-first standards; conforming to specific accessibility guidelines
- Tested and maintained websites for cross-platform and cross browser compatibility
- Created an Ecommerce Image Content Performance and Optimization Tool in PHP
- Created HTML5/CSS/JavaScript templates for online marketing initiatives

Software Development Intern

03/16 – 05/16

G1G Travel Insurance, San Jose, CA

- Responsible for the company's front-end web development.
- Developed and supported User Interface and User Experience design.
- QA tested website to ensure it was functioning as per the defined specification.

Search Engine Optimization (SEO) Intern

06/12 – 08/12

SecretBuilders, San Mateo, CA

- Set up, managed, and created content for search engine optimization (SEO) websites.
- Learned how to market a website, build traffic, and create relevant content.
- Designed and tested different levels for the new mobile (iPhone/Android) game called Puppy Run.