

James Harlan

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Strong : JavaScript ◦ Angular ◦ Jasmine ◦ jQuery ◦ HTML ◦ CSS ◦ Agile ◦ Scrum
Proficient : Node ◦ Express ◦ Gulp ◦ Grunt ◦ Backbone ◦ MySQL ◦ MongoDB

Recent Projects

MakerSquare | Fellow | *full-stack software engineering immersive*

- Provided technical guidance to students during completion of two day sprints on varied JavaScript topics
- Lead classroom learning of web development basics in a nightly course
- Interviewed and evaluated potential candidates for technical ability, cultural fit, and ability to learn

SquirrelSearch | Team Lead | *mobile treasure hunting web app* squirrelsearch.us

- Lead development of product, emphasizing user experience and functionality
- Specified API to facilitate early integration of data flow

JSVS | Backend Engineer | *coding race application for competition fueled learning* | [github](https://github.com)

- Implemented Socket.IO server to connect users in a live coding experience

Emirates Travel Hackathon | 2nd Place Group | *social flight booking app*

Professional

Red Fork Directional, LLC Owner / Field Engineer 2014

Halliburton Energy Services Field Engineer 2010-2013

- Ensured third party hardware was correctly configured to meet engineering specification and project goals
- Debugged complex systems and equipment to maintain operational efficiency
- Managed team of fellow engineers to complete projects in timely and efficient manner

Education

MakerSquare *full-stack software engineering immersive* 2015

Univeristy of Wyoming *College of Engineering and Applied Sciences* 2004-2010

- MA Mechanical Engineering
 - Research in materials science and fluid dynamics
 - Analyzed data in Fortran and visualized using MATLAB, simulated atomic interactions from first principles
- BA Mechanical Engineering | merit scholarships and engineering excellence awards | *cum laude*
 - Implemented control systems in robotic projects using
 - microcontrollers and motion control hardware $f(x) = \sqrt{x}$