

Work Experience

Portsmouth Naval Shipyard – Nuclear Engineer (July, 2011 – Present)

- Completed reactor systems coursework and passed NAVSEA administered examination.
- Performed daily briefs, enforced technical requirements, directed evolutions of reactor plant testing under qualified supervision.
- Served as team leader in executing performance evaluation of nuclear work on 688 class submarines.
- Organized team meetings, evaluated performance of team members, conducted management presentations of major issues and concerns within the organization.

GT Advanced Technologies – Temporary Engineer (March, 2011-June, 2011)

- Created specification drawings for existing components for GT products using Industry standard Computer aided design (CAD) software (Solidworks).
- Assisted with sourcing and pertinent testing of company's product – the Advanced Sapphire Furnace (ASF).
- Drafted and executed test plans.
- Made recommendations to management pertaining to material selections based on data analysis.

JAS Energy LLC – Principal Owner, Blacksburg VA (Aug, 2009 – Aug, 2010)

- Launched green energy company focused on using algae to sequester pollutants from munitions wastewater facilities.
- Secured over \$100,000 in seed funding.
- Worked closely with clients and universities in order to further business interests.
- Developed budgets and authored government proposals geared towards small businesses.

GOSS International – Project Engineer, Durham NH (Sept, 2008 – May, 2009)

- Provided design and detailing assistance for commercial scale printing press systems and components.
- Developed and executed test plan for life testing on printing press tapes, cantilevered/non-cantilevered roller components, and bearings.
- Quickly acquired working proficiency of GOSS's computer aided design program (Unigraphics NXv4.0).

Waters Corporation– Reliability Engineer, Milford MA (Sept, 2006 – Sept, 2008)

- Performed duties of support engineer for all product design changes and extensions on liquid chromatography detectors.
- Coordinated risk analysis, data analysis, and failure analysis for Waters products.
- Advocated product improvements through presentation of results from data and fault analysis.
- Authored test protocols, and departmental reports.
- Managed technicians and student Co-ops on multiple projects.

UNH Mechanical Engineering Department - Teaching Assistant, Durham NH (May, 2004 –Dec, 2005)

- Acted as teaching assistant for junior and senior level mechanical engineering undergraduate courses.
- Mentored students on class projects, homework assignments, and laboratory experiments.

UNH Information Technology (IT) – ResNet Consultant (part time), Durham NH (2003, 2004, 2005)

- Responsible for providing direct onsite support to UNH students in on-campus housing.
- Managed campus-wide computer connectivity issues remotely.
- Resolved a variety of personal computer and networking issues.

Programming Interests

- ❖ Single page web applications- Familiar with and Model-View-Controller (MVC) design principals.
- ❖ JavaScript - Object oriented programming principals, inheritance, closures, scope, asynchronous programming, and callbacks.
- ❖ Front end web development- HTML5, CSS3, Angular JS, jQuery.

- ❖ Back end web development- NodeJS, Express, RequireJS, Node package manager (npm).
- ❖ Unit testing (Mocha) and End to end testing (Protractor).
- ❖ Databases – MongoDB.
- ❖ Build automation- Grunt, Bower.
- ❖ Version control – Git.
- ❖ Programming languages - C, MATLAB, R statistical software.
- ❖ Personal computers- building, operating, networking, and troubleshooting.
- ❖ GitHub: <https://github.com/djunh1>

Professional Skills

- ❖ Project management.
- ❖ Computer aided design (CAD).
- ❖ Technical writing.
- ❖ Engineering testing, data acquisition, exploratory data analysis (EDA).
- ❖ Microsoft office products- Word, Excel, Visio, Outlook, Power Point, Project.

Interests/Activities

- ❖ Entrepreneurship, business opportunities, general finance, the stock market, value investing.
- ❖ Dedicated to continual self-improvement.
- ❖ Ice Hockey, Rugby, sports refereeing.

Education

University of New Hampshire, Durham, NH (**June 2006**)
Mechanical Engineering (Bachelors of Science, Masters of Science)