Peter Armstrong

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http://github.com/peteretep

Education

- **University College Cork** — Cork, Ireland
  Marine Renewable Energy (MEngSc) — *Sept. 2015 – Sept. 2016*
    - Key Courses: Wind Energy, Ocean Energy, Tidal Energy, Marine Renewable Energy

- **Dublin City University** — Dublin, Ireland
  Graduate Diploma in Information Technology; Credit — *Sept. 2011 – May 2012*
    - Key Courses: Object Orientated Programming, Information Systems, Networking and Operating Systems, Database Design, Web Design

- **National University of Ireland - Galway** — Galway, Ireland
  Bachelor of Engineering (Mechanical); Second Class Honours — *Sept. 2003 – June 2007*
    - Key Courses: Finite Element Analysis, Polymers and Composites, Mechanical Engineering Design, Fluid Dynamics, Thermodynamics, Engineering Computing

Engineering Project

CFD Analysis of Microfluidic Mixing Devices: For this project I studied the microfluidics of mixing devices using computational fluid dynamics (CFD). This involved modelling a number of designs using 3D CAD software and using the ANSYS CFX software package to analyse the behaviour of fluids flowing through them. This was my final year project for my Bachelor of Mechanical Engineering.

Experience

- **OnePageCRM** — Galway, Ireland
  Web Application Developer — *Feb. 2014 – Sept. 2015*
    - Worked with the team to develop new features and improvements to the OnePageCRM web application
    - Agile project management, including leading the weekly team retrospective meeting
    - Regular support responsibilities, both to technical and non technical customers around the world
    - Maintained the public API and worked with the mobile team on new API features
    - Implemented and maintained automated testing using agile & continuous integration methodologies
    - Improved communication with intergration partners
    - Writing for the developer blog at developer.onepagecrm.com/blog

- **VisualID** — Dublin, Ireland
  Web Application Developer — *June 2012 – Feb. 2014*
    - Worked in the small DevOps team to support and improve the Visual ID Digital Asset Management application
    - Championed a company wide move to modern project management and source code management tools. This improved the issue tracking and project management workflow and dramatically improved communication within the company
    - Managed production and development servers - on call 24/7
    - Assessed customer requests and added features to the development schedule
    - Supported the customer services team with clients worldwide

- Identified the need to standardise the application to reduce developer workload and undertook a front end redesign
- Implemented monthly software release and deployment cadence
- Regular contributor to the company website

- **Mullaghmore Sailing Club**   Sligo, Ireland
  Sailing Manager   *June 2010 – August 2011*
  - Managed a team of 15+ staff, supervising 40+ children per week
  - Ran training to upskill staff and dealt with any disciplinary issues
  - Maintained all assets and facilities and setup new preventative maintenance measures
  - Revised operating procedures to improve compliance with teaching and safety standards

- **Self Employed**   Sligo, Ireland
  Tourism Businesses   *Sept. 2007 – Sept 2011*
  - Opened and ran the top ranked hostel in Sligo with two partners
  - Opened and ran the second largest kitesurfing centre in Ireland, LSD Kiteboarding
  - Opened and ran a sailing school, Rosses Point Sailing

- **Abbott Vascular**   Galway, Ireland
  Engineering Internship   *Apr 2006 – Aug. 2006*
  - Completed regular preventative maintenance on the four production lines
  - Worked on equipment calibration and validation
  - Supervised the stent production line; responsible for assessing and implementing variations in production process in response to any production anomalies reported to me
  - Responsible for ordering and installing equipment for a new production line

Skills and Awards

Marine: Powerboat Instructor, Senior Sailing Instructor, VHF Radio certificate

Engineering Software: AutoCAD, Autodesk Inventor, ANSYS CFX

Office Software: LibreOffice, MS Office, Latex, Google Apps

Programming Languages: Ruby, Javascript, Coffeescript, Python, PHP, Java, Lasso. Also some experience with Fortran and C during my Bachelor of Engineering

Tools and Operating Systems: Linux (Ubuntu, CentOS), Virtualization (VirtualBox, Xen, Vagrant), Apache web servers, Git, Subversion

Web Development: HTML/CSS, jQuery, Ruby on Rails

Databases: MongoDB, MySQL

Interests and Volunteering

Volunteer Lifeboat: I volunteered as a crew member with Sligo Bay RNLI lifeboat for two years. I attended weekly training and was on call 24/7.

Watersports: Strong interest in sailing, kitesurfing, kayaking, sea swimming

Boat building: Wooden boat building - I built a racing dinghy and competed in a world championships

Programming Mentoring: I volunteered as a coach with Rails Girls Galway, teaching a group of novice programmers the basics of web development

Sea Scouts: Leader with 3rd Sligo Sea Scouts and managed a boat building project with them