

Anton de Winter

Senior Developer - Technologist - Hardware Hacker

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A passionate developer with a love for technology, startups and science. Interested in developing tools and applications that help others, solve problems or make life Better.

Education

Massachusetts Institute of Technology

2005 TO 2010

Bachelor of Science - Aerospace Engineering

Interesting Coursework: Complex Problems in a Global Environment, Communicating in Cyberspace, Communication Systems Engineering, Human Factors Engineering, Principles: Automatic Control, Space Systems Engineering (Lab), Robotics: Science and Systems (Lab), Computer and Engineering Problem Solving.

Skills

Technical Leadership, Java, Backbone.js, HTML5, Python, Matlab, Scheme, J2ME (mobile development), PHP, Javascript, C, CSS, Django, CouchDB, MySQL, PostgreSQL, Android

Experience

Cengage Learning

JAN 2014 TO PRESENT

Senior Software Engineer

Senior developer for Cengage's flagship product (Mindtap): refactor/convert legacy frontend code to new Angular framework. Focused on producing maintainable modules of code that could be reused throughout the product (and in other products). Implemented new features driven by product owners in an agile environment. Back end technologies worked on include Java, NodeJS and MongoDB.

Scholastic Inc.

2012 TO 2014

Tech Lead, Senior Developer and Manager

Tech lead for a software development team tasked with delivering the teacher-facing component of the upcoming flagship product for Scholastic (Math180). The role involved leading a team of four developers in implementing a front-end HTML5, Backbone.js based, educational suite.

Manager of Enterprise Services (team of eight). Responsible for driving department-wide strategy related to Service Oriented Architecture and Services at Scholastic (technology

stacks, protocols, architectural design, etc).

Lead developer for the production of a new internal dashboard to ease management and monitoring of services.

Dimagi Inc

2010 TO 2012

Software Engineer and Project Manager

Lead software developer and project manager on several healthcare related projects. Worked primarily with Open Source tools and software frameworks to develop technical solutions for developing world health care projects. Tools used include: J2ME, Python, Django, Javascript, CSS, HTML5, Couch, SMS/Text and Android technologies.

Robust Robotics Group (MIT)

2009 TO 2010

Research Assistant

Researched unmanned aerial vehicles capable of flying in GPS-denied, unmapped indoor environments – specifically, developed image processing algorithms and hardware. The team won the 5th International Aerial Robotics Competition. A publication was accepted in the Proceedings of 2010 IEEE International Conference on Robotics and Automation.

BMW

MAY, 2008 TO SEPTEMBER,
2008

Intern

Analyzed unsteady state fluid flow of the underbody of a 3-Series vehicle. Developed tools for use in Matlab, and 3D CFD Simulator programs such as PowerFlow/PowerViz, to assist in the study of potential flow field theory.

Doyle Lab (MIT)

2005 TO 2006

Research Assistant

Studied behavior of particles in micro- and nano-fluidic channels to develop low-power blood testing field-kits, highly efficient water purifiers and biological processors. Worked with fluorescent detecting microscopes, power supplies, and plasma cleaners to observe and perform statistical analysis on particle flow using IDL.

Space Logistics Lab (MIT)

2007 TO 2008

Research Assistant

Developed SpaceNet 2.0, a Java-based space mission logistics simulator. Implemented new algorithms to streamline application and developed graphical visualizations of simulation results.

Projects

Olympus Laboratories (Founder)

2010 TO 2011

Founded a start-up focusing on producing a cost-effective, semi-mobile power generation platform making use of cutting-edge Concentrated Thermal Solar Power (CSP) and Thermal Storage technologies.

MakeMetalSigns website development

2012 TO 2013

Creation of a web based application that allows users to create a design for making signs using a Waterjet machine. Features: HTML5 content, Shopping cart, Web based Designer, Backend End order management system.

Startup Advisor (Ziba Style)

2012 TO 2012

<https://www.ziba-style.com/>

Provided technical advice to a start-up project: Ziba Styles (www.ziba-style.com). Gave guidance on technology choices, time-to-implementation projections and interviewed/reviewed implementing partners.

Event Organizer (MIT)

Organizer for largest alumni event on campus at MIT (1100+ guests over two days). Managed logistics for applying for funding from three different organizations.

Languages

Afrikaans (Native or bilingual proficiency) , Dutch (Elementary proficiency) , English (Native or bilingual proficiency)
