

# Christopher Doyle

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Seattle, WA

## Qualifications

- Adaptive work style that thrives on innovation and dynamic environments
- Interdisciplinary perspective incorporating business, engineering and design

## Education

### ***Franklin W. Olin College of Engineering – Needham, MA***

- Awarded Bachelor of Science in Electrical and Computer Engineering Class of 2007
- Awarded full tuition and room scholarship for four years

## Coursework includes

Analog and Digital Communications, Signals and Systems\*, USB Design, Computer Architecture, Semiconductor Devices, Software Design/OOP, Discrete Math, Statistics, User Oriented Collaborative Design, Business Foundations, Consumer Behavior, Technology and New Ventures

\*Teaching Assistant

## Experience

### ***Web Development Consultant*** 2006 - Present

- Wrote Ruby on Rails application for hurricane watch system to send SMS warnings
- Wrote Ruby on Rails applications and database schema for teaching cooking, web hosting
- Wrote Python application to parse geographical SMS data from UNICEF field workers
- Ported Javascript image gallery from MooTools to Prototype to work with RoR application
- Designed user experience for all applications, with paper prototyping, personas, user studies
- Incorporated other technologies/frameworks as appropriate, including MySQL, PostgreSQL, webpy, OpenLayers mapping, storm ORM, AJAX, matplotlib, ActiveScaffold, svn
- Deployed all applications on Linux/OS X Apache servers, RoR applications with mongrel
- Hired, worked with professional designers to establish visual identity. Implemented in CSS

### ***Olin College – Music Program Assistant*** 2006 – 2007

- Developed and executed logistical and operations planning across all Olin music groups
- Handled rehearsal scheduling, concert/event promotion and logistics, transportation
- Interfaced with other college departments to resolve conflict between concurrent events

### ***Pratt & Whitney Wireless Jet Engine Sensor Harness – Project Manager*** 2006 – 2007

- Led team of five students to develop a ZigBee wireless pressure sensor for jet engine
- Managed technical development, \$30k budget, safety, testing, prototyping, timeline
- Communicated with corporate liaison to ensure satisfaction of sponsor goals

### ***Afferent Corporation (Providence, RI) – Engineering Intern*** Summers 2005, 2006

- Conducted experimental analysis of applied mechanical waves in human forearm
- Designed and constructed force transducer testbed for insole characterization
- Authored Matlab software for material analysis of energy propagation in Silastic
- Designed and fabricated medical device form-factor prototypes

### ***Olin First-Year Integrated Course Blocks - Projects*** 2003 – 2004

- Designed, constructed and tested a pneumatic chainsaw and a conducting fluid taser

## Activities

### ***Hyde Park High School – Mentor, FIRST Robotics Team*** 2003 – 2006

- Supervised student-led groups to develop strategy and design robotics components
- Taught basic physical concepts, emphasizing practical application

### ***Boy Scouts of America – Eagle Scout*** 1992 – 2003

- Taught at six leadership camps, managed 15+ scouts working on community service projects

### ***Canon Envirothon – Team Leader*** 1999 – 2002

- Managed three community awareness campaigns on local environmental issues