Dean L. Dieker

<Contact   **email=**<ddieker@gmail.com**>**

<Summary>

- Boston Startup School participant in the Web Development track, sponsored by TechStars and Boston area startups
- Educated from one of the top engineering schools in the country
- Co-founder of a Y Combinator startup

<Programming Experience>

<Boston Startup School   track="Web Development" **location=**"Allston, MA" **>**   **Summer 2012**
- Weekly sprints using: Ruby & Rails, JS, Node.js, Github, Heroku, HTML5

<Mod Four, Inc.   location="Cambridge, MA"**>**   **Summer 2006-Fall 2006**
  Co-Founder of a Y Combinator online consumer reviews start-up
- Used Pylons (Python MVC framework) and MySQL for the back end of an online, customizable consumer review site

<Franklin W. Olin College of Engineering   location="Needham, MA"**>**
  Senior Consulting Project in Engineering (SCoPE)   **all 2006-Spring 2007**
- **Project Manager** for 5-person team on a $50,000 Nortel Networks project to design and build sensor network applications
- Conducted user inteviews, participated in user-oriented design, managed budget with Nortel, coded web application
  Independent Project in Designing and Writing a Videogame   **Spring 2005**
- Worked with four Olin students to design and program a video game using Python
- Coded artificial social networks, wrote placement algorithms, implemented collision detection, key detection

<Professional Experience>

<Academy of Traditional Karate, Inc.   location="Wilmington, MA"**>**   **Aug. 2009 – March 2012**
  Assistant Program Director
- Managed a team of junior instructors and volunteers
- 2nd Degree Black Belt, Sensei, and lead instructor for 15 classes per week
- Responsible for increasing student count by 50, external programs, IT infrastructure, social media presence, customer service and retention, sales, business partnerships (YMCA, Boys and Girls Club, B2B), curriculum development

<Textron Defense Systems   location="Wilmington, MA"**>**   **June 2007 – July 2009**
  Systems Engineer
- Responsible for requirements traceability using IBM Rational DOORS
- Led the modeling of the system using Vitech CORe for a networked sensor munitions project for the U.S. Army, drafted test plans and procedures, conducted a system-level FMECA for a critical design review.
- Liaison to subcontractor responsible for the computer control unit for networked sensor munitions project, responsible for escalating any issues and being the local Textron expert on the subsystem.

<Education>

<Franklin W. Olin College of Engineering location="Needham, MA"**>**   **May 2007**
  Student
- B.S. in Engineering with concentration in Bioengineering
- Received four-year full-tuition merit scholarship
  Information Technology Department Audio/Video Assistant – Paid Position   **Spring 2005-Spring 2007**
- Chief contact person and technical support for internal and external on-campus events and A/V needs
  Research Assistant - Biophysics of Helical Ribbons   **Summer 2005 - Fall 2005**
- Developed a protocol for ultracentrifuge density-gradient separation of anhydrous cholesterol structures
- Synthesized QSS to model formation of gallstones