Noam Rubin

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github.com/nrubin

Education

Olin College of Engineering

   Candidate for BS in Electrical and Computer Engineering

   GPA 3.64

Selected Courses

   Human Factors and Interface Design   User Oriented Collaborative Design
   Computational Modeling   Computer Architecture
   Robotics III   Software Design

Employment

Microsoft Office: Word

   Intern in Program Management. Summer 2013

   Designed a modern multi-platform citation and bibliography experience. Worked with my team, internal partners, and
   outside users to refine the user experience. Participated in three user studies.

Microsoft Windows: Developer Experience

   Intern in Program Management. Summer 2012

   Worked with a developer to create a Windows 8 App Quality Scorecard. Convinced several crews across the Windows
   team to fund the Scorecard feature. Designed a re-usable, extensible scorecard structure to minimize code maintenance.

SoftArtisans

   Intern in Technical Services and Information Technology. Summer 2011

   Developed data-driven Business Intelligence reports for upper management. Created complex SQL queries, mashing
   data from several databases

Projects

School

   Fit-Log

   A project aimed at designing and prototyping a mobile app for personal trainers. Worked in a team of four interviewing
   users, designing the app, and implementing a mostly functional prototype as a web app with a Python backend.

   Lego 3D Printer

   Worked on a team of four to design and fabricate a 3-axis CNC device capable of accepting a design from a LEGO CAD
   program and assembling the structure. Worked on hardware interface code and electrical subsystem.

Side Projects

   Planet

   A web app that helps Olin students create their plan of study. Currently being designed and implemented with another
   student with a focus on maintainability and extensibility. Python backend.

   Txt2HelpMe

   A no-UI web app that routes texts sent from stranded Olin students to the internal assistance mailing list. Designed to
   assist students stranded in the subway in finding a way home. Python backend, currently in production.

Activities & Skills

Olin College

   TA. September 2011 – January 2013.

   Served as a teacher's assistant for an introductory electrical engineering course. Spear-headed a curriculum re-write
   while holding lessons, administering lab hours and grading work.

Tutoring

   Robotics and programming. January 2012 – Present.

   Tutoring an elementary school student on topics ranging from programming LEGO Mindstorm robots to writing basic
   Python scripts. An opportunity to both pass on knowledge gained and to sharpen understanding of even basic concepts.

I've coded in

   Python, HTML/Javascript/CSS, MATLAB, SQL, LabView, Verilog