

# 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

Teaching Assistant

Olin College. 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.

Research Assistant

Wellesley College. September 2012 – May 2013.

Worked with Wellesley design faculty on integrated Kinect sensors into a tabletop user interface. Forked and contributed to open-source computer vision project for hand and finger detection. Attended the ACM 2012 conference in Cambridge, MA.

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, C, MATLAB, SQL, LabView, Verilog