

Olin College MB 799  
1 Olin Way  
Needham, MA 02492

**Noah Tye**  
[noah@tyes.us](mailto:noah@tyes.us)  
(785) TYE NOAH  
(785) 893 6624

9049 Stargaze Ave  
San Diego, CA 92129

## EDUCATION

---

Franklin W Olin College of Engineering      Needham, MA

- Candidate for Bachelor of Science in Engineering; concentration in Computing.
- Recipient of 4-year, full-tuition Olin Merit Scholarship.
- Coursework includes: Foundations of Computer Science, Mobile Application Development, Foundations of Business and Entrepreneurship, Modeling and Simulation of the Physical World.

## SKILLS

---

Python	Lisp	C	JavaScript	Matlab	bash
HTML5/CSS	Django	jQuery	Unix/Linux	Apache	Android
lighttpd	Java	MySQL	PostgreSQL	CouchDB	emacs

## EXPERIENCE

---

Computer Security Course Asst.      Needham, MA      Summer-Fall 2010

- Developed curriculum (including assignments) for a C-based computer security class, including buffer overflows, heap overflows, over-the-network attacks, and also featuring web security topics like XSS and SQL injection.

Localization Research      Needham, MA      Spring 2010 – date

- Developed a system to train 802.11-based localization systems using calendar data.
- Published paper: Andrew J. Barry, Noah L. Tye, Mark L. Chang. "Interactionless Calendar-Based Training for 802.11 Localization," In Proceedings of the 7th IEEE International Conference on Mobile Ad-hoc and Sensor Systems, November 2010.

Cuker Interactive      Solana Beach, CA      Summer 2009

- Summer internship; developed and deployed websites for such clients as Quiksilver, DC Shoes, ViX Swimwear, and Callaway Golf.
- Helped build one-page checkout system, increasing one client's revenue to 150% from previous year.
- Built interface allowing clients to choose a preferred set of video encoding parameters, allowing one client to shrink average video sizes by 40% without sacrificing quality.

Westview High School Newspaper      San Diego, CA      Fall 2008

- Designed and implemented high school newspaper website (<http://wvnexus.com/>).
- Created a novel AJAX interface to dynamically query tagged articles, making the news easier to browse for new readers and more useful to search through for users who know what they want.

Personal blog/wiki      San Diego, CA      2008

- Designed and implemented personal blog/wiki in Common Lisp.
- Included standards-conforming implementations of Atom and Pingback specifications.
- Created a web framework for Common Lisp in the process.