

KEVIN SHU

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Website: <http://www.its.caltech.edu/~kshu/>

- Quick learner with excellent analytical and problem solving skills
- Great team player with strong verbal and written communication skills
- Experienced programmer, and a strong mathematical background

EDUCATION

CALIFORNIA INSTITUTE OF TECHNOLOGY (2014 – Present)

- B.S in Computer Science and Mathematics
- Took courses on C programming, complexity theory, algorithms, and abstract algebra

WILTON HIGH SCHOOL (2012 – 2014)

- Left in junior year to attend college
- Elected class president
- AP Scholar with Distinction, 2400 SAT

COMPUTER SKILLS

Python, Java, C, C++, C#, SQL, Javascript, PHP, HTML, CSS, Latex, MS Excel, MS Word, LibreOffice, Adobe Illustrator, Mathematica, Matlab

WORK/INTERNSHIP EXPERIENCE

RESEARCHER IN CODING THEORY – CALTECH

- Conducted mathematical research in error correcting codes
- Developed decoding algorithms, upper bounds, and new code constructions on constrained and locally recoverable codes

CERNO BIOSCIENCE – NORWALK CT

Software Developer (Summer 2014)

- Developed infrastructure that allowed developers at Cerno Bioscience to access chemical databases and create analytical tools
- Utilized C and C++ to create DLL that updates legacy code base and port antiquated NIST libraries to MATLAB

SIMPLELAW.ORG - WILTON CT

Web Developer (JANUARY 2014 – JULY 2014)

- Designed and developed a website to consolidate and simplify state laws from across the country
- Developed web crawler to find laws to enrich the content of the website
- Worked with HTML, CSS, Javascript (jQuery), PHP, Python

KUMON MATH AND READING CENTER – WILTON CT

Tutor (SEPTEMBER 2012 – JULY 2014)

- Tutored over 30 elementary school students in math and reading

AWARDS

1ST PLACE HACKDFW HACKATHON (February 2015)

- Software / hardware development competition (1600 people attended)
- Worked with a team of five to develop a simulation of prehistoric earth on the Oculus Rift
- Software: <http://challengepost.com/software/dino-world>

1ST PLACE THALES ARDUINO COMPETITION (OCTOBER 2014)

- Worked with a team of four to create a quadcopter

ELEANOR SEARLE PRIZE IN LAW, POLITICS, AND INSTITUTION (JUNE 2015)

- Wrote an exemplary essay on the topic of French religion

INTERESTS

Fluent in Mandarin Chinese and French

Interests include running, violin, crochet, graphic design.