
KEENAN ZUCKER

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EXPERIENCE

Onshape Software Engineer Intern

Cambridge MA | May 2016 - Aug 2016

Part of UI team developing front end code of browser & cloud based 3D CAD startup. Agile company ships at the end of three week sprints. Projects included writing custom tooltip tour feature configurable by admin user and collecting metrics for A/B testing for Onshape onboarding. Worked primarily in Angular.js framework.

NVIDIA Performance Analyst Intern

Santa Clara CA | May 2015 - Aug 2015

Worked in the Performance Lab in the Notebook sector. Tested, debugged, and wrote automation code in Perl to investigate GPU performance on multitude of platforms and operating systems. Spearheaded platform and competitor comparisons and baselines.

Freelance Graphic Designer

Needham MA | Aug 2015 - present

Work includes logo design and branding and well as consulting. Online store at Redbubble. Also teach free classes about Illustrator and InDesign to Olin students.

EDUCATION

Olin College of Engineering

BS in Engineering with Concentration in Human Centered Computing | May 2018

RELEVANT COURSEWORK: Software Design, Data Science, Principles of Engineering, Dynamic Interface Design, Mobile Prototyping, Foundations of Computer Science*, User Oriented Collaborative Design.

* currently enrolled

SKILLS & SOFTWARE

PROGRAMMING: Javascript, Python, HTML & CSS, Java, Matlab, Linux, Git, Arduino C, Angular.js, React.js, JQuery.

SOFTWARE: Illustrator, InDesign, Flash, Android Studio, LaTeX, Onshape, SolidWorks

FABRICATION: Manual Lathe, MIG Welding, 3D Printing

PROJECTS & ACTIVITIES

Audius78

Needham MA | Mar 2016 - present

Final project of full-stack Javascript development class; created collaborative music editing software. Users could cut, move, fade, splice, upload/download tracks which would update all users via web sockets. Utilized material design front end and React.js.

SAE MiniBaja Phoenix Racing

Needham MA | Aug 2014 - present

Help design and build off-road MiniBaja vehicle to compete in national SAE competitions. Part of leadership team on completely student-run team as well as team welder. Leading branding overhaul and website redesign including new logos, colors, etc.

#Hashtag Gloves

South Hadley MA | Nov 2014

Participated in Major League Hacking sponsored event called HackHolyoke Fall. Won 3rd place out of around 50 teams. Designed gloves with voice recognition integration that 'tweeted' the recognized words after user makes 'hashtag' motion on gloves. Articles featured on today.com, DailyDot, Gizmodo, KGW news, and more. Worked in Python on Twitter integration.

Stay Late and Create (SLAC)

Needham MA | Aug 2014 - present

Member of leadership team to organize student-run club. SLAC creates the space and environment to foster Olin's project-based culture. Through teaching, learning, and the exploration of new areas, students broaden their skill-sets, perspectives, and sense of community. Holds hackathons and weekly meetings.

Adaptech

Needham MA | Jan - May 2016

Final project for User Oriented Collaborative Design class in which five person team worked interviewing and investigating user group of sled hockey coaches. Led co-design sessions with users. Final deliverable included design for sensor-enabled shoulder pads with connected app for coaches to track player performance, safety, and teamwork.

Falcon Camera Systems

Needham MA | Sep - Dec 2015

Built a cable-suspended camera system, similar to a 'Skycam,' for Principles of Engineering final project. Targeted for amateur filmmakers, Falcon is mounted indoors, allowing unique and smooth footage by spooling cable to each mounted 'node.' Controlled wirelessly by Arduinos connected via Bluetooth. Software developed using Arduino C and Python.