

# SAWYER KEITH WAUGH

skwaugh@gmail.com • (215) 317 – 9136 • linked.com/in/sawyerwaugh

## PROFESSIONAL EXPERIENCE

---

<b>MedTrak, Inc.</b> – Conshohocken, PA	11/14 – 7/15
<i>Software Engineer</i>	
<ul style="list-style-type: none"><li>Created client-facing data visualization tools</li><li>Built platform for automatically generating and sending personalized reports to surgeons</li><li>Implemented feature requests from clients and account managers</li></ul>	
<b>Parametric</b> – Philadelphia, PA	5/13 – 10/13
<i>Technical Development Intern</i>	
<ul style="list-style-type: none"><li>Built web app allowing restaurant managers to customize Checkmate app</li><li>Provided on-site technical troubleshooting for clients</li></ul>	
<b>Craft House &amp; Beer Garden</b> – Cherry Hill, NJ	
<i>Social Media Marketer, Promoter</i>	5/11 – 4/15
<ul style="list-style-type: none"><li>Built social media platform of 10k+ Facebook and Twitter users</li></ul>	
<i>Bartender, Barback</i> (summers only)	2009 – 2014

## RESEARCH

---

<b>macrowave.io</b> – Philadelphia, PA	12/14 – Present
<i>Founder</i>	
<ul style="list-style-type: none"><li>Developed a smartphone accessory and iOS application for automatically determining the caloric and macronutritional content of a user's food</li><li>Led a team of three in rapidly prototyping software and hardware</li><li>Implemented state-of-the-art machine learning and computer vision algorithms</li></ul>	
<b>University of Pennsylvania Positive Psychology Center</b> – Philadelphia, PA	5/14 – 9/14
<i>Data Analyst</i>	
<ul style="list-style-type: none"><li>Designed statistical study to determine relationship between 'happiness' and 'gratitude'</li><li>Parsed, cleaned and analyzed 50k+ subjects' social media data</li><li>View paper at <a href="http://bit.do/happify">http://bit.do/happify</a></li></ul>	

## TECHNOLOGIES

---

**Programming** – PHP, [scientific] Python, Java, JavaScript, Swift, SQL, HTML/CSS, C  
**Software and Systems** – Git, SVN, AWS EC2 / DigitalOcean, Linux/Unix, Microsoft Office  
**Hardware** – Arduino, Raspberry Pi, MakerBot (3D Printer)

## LEADERSHIP

---

<b>Sigma Chi Fraternity</b> , Phi Phi Chapter, University of Pennsylvania	
<i>Alumni Chairman</i>	12/12 – 12/13
<i>Social Chairman</i>	8/11 – 12/12
<b>Men's Rugby Football Club</b> , University of Pennsylvania	
<i>1<sup>st</sup> XV, Flanker</i>	9/10 – 12/13
<ul style="list-style-type: none"><li>2013 CRC Shield Winner, 2012 Ivy League South Champions</li></ul>	
<i>Media Chairman</i>	12/12 – 12/13
<ul style="list-style-type: none"><li>Maintained team website, created highlight films and promotional materials</li></ul>	

## AWARDS & PUBLICATIONS

---

<b>Sigma Chi Gilmore Scholarship</b>	11/12
<b>Men's Ivy Rugby All-League Honorable Mention</b>	12/11
<b>3808: A Journal of Critical Writing, Volume 6</b> – <i>Leonardo DaVinci: Pilot of Science</i> ( <a href="http://bit.do/le0nard0">http://bit.do/le0nard0</a> )	6/11

## EDUCATION

---

**The University of Pennsylvania School of Engineering & Applied Science** – Philadelphia, PA

Bachelor of Engineering in *Computer Science*, Minor in *Entrepreneurship*

**William Tennent High School** – Warminster, PA

8/14

6/10