**SAWYER KEITH WAUGH**

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**PROFESSIONAL EXPERIENCE**

**macrowave.io** – Philadelphia, PA 12/14 – Present

*Lead Engineer*

* Developed a smartphone accessory and iOS application for automatically determining the caloric and macronutritional content of a user’s food
* Led a team of three in rapidly prototyping software and hardware
* Implemented state-of-the-art machine learning and computer vision algorithms

**MedTrak, Inc.** – Conshohocken, PA 11/14 – 7/15

*Software Engineer*

* Created client-facing data visualization tools
* Built platform for automatically generating and sending reports to clients
* Implemented feature requests from clients and account managers

**University of Pennsylvania Positive Psychology Center** –Philadelphia, PA 5/14 – 9/14

*Data Analyst* (<http://bit.do/happify>)

* Designed statistical study to determine relationship between ‘happiness’ and ‘gratitude’
* Parsed, cleaned and analyzed 50k+ subjects’ social media data

**Parametric** –Philadelphia, PA 5/13 – 10/13

*Technical Development Intern*

* Built web app allowing restaurant managers to customize Android app
* Provided on-site technical troubleshooting for clients

**Craft House & Beer Garden** – Cherry Hill, NJ

*Social Media Marketer, Promoter*5/11 – 4/15

* Built social media platform of 10k+ Facebook and Twitter users

*Bartender, Barback* (summers only)5/09 – 9/14

**EDUCATION**

**The University of Pennsylvania** **School of Engineering & Applied Science** – Philadelphia, PA 8/14

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

**William Tennent High School** – Warminster, PA 6/10

**LEADERSHIP**

**Sigma Chi Fraternity**, Phi Phi Chapter, University of Pennsylvania

*Alumni Chairman* 12/12 – 12/13

*Social Chairman*8/11 – 12/12

**Men’s Rugby Football Club**, University of Pennsylvania

*1st XV, Flanker* 9/10 – 12/13

* 2013 CRC Shield Winner, 2012 Ivy League South Champions

*Media Chairman*12/12 – 12/13

* Maintained team website, created highlight films and promotional materials

**AWARDS & PUBLICATIONS**

**Sigma Chi Gilmore Scholarship** 11/12

**Men's Ivy Rugby All-League Honorable Mention** 12/11

**3808: A Journal of Critical Writing, Volume 6** 6/11

*Leonardo DaVinci: Pilot of Science* (<http://bit.do/le0nardo>)

**SKILLS & TECHNOLOGY**

**Programming** – PHP, Python, Java, JavaScript, Swift, SQL, HTML/CSS

**Software and Systems** – Linux / Unix, Git, SVN, AWS EC2 / DigitalOcean, Microsoft Office

**Hardware** – Arduino, Raspberry Pi, MakerBot (3D Printer)