SAWYER KEITH WAUGH

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PROFESSIONAL EXPERIENCE

macrowave.io – Philadelphia, PA   12/14 – Present
Founder
- 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
- *stack* – Python (Numpy, OpenCV, Scikit-learn, Django), Swift, MySQL, Arduino, Raspberry Pi, AWS EC2 / DigitalOcean, MakerBot / MakerWare

MedTrak, Inc. – Conshohocken, PA   11/14 – 7/15
Software Engineer
- Created client-facing data visualization tools
- Built platform for automatically generating and sending personalized reports to clients
- Implemented feature requests from clients and account managers
- s*tack* – PHP, JavaScript, HTML, CSS, MySQL, PhantomJS, Highcharts

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
- *stack* – Java, MySQL, Stanford CoreNLP Tools

Parametric – Philadelphia, PA   5/13 – 10/13
Technical Development Intern
- Built web app allowing restaurant managers to customize Checkmate app
- Provided on-site technical troubleshooting for clients
- *stack* – JavaScript (AngularJS, JQuery), PHP, HTML/CSS/Bootstrap

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)   2009 – 2014

LEADERSHIP EXPERIENCE

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 – *Leonardo DaVinci: Pilot of Science* (http://bit.do/le0nard0)   6/11

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