

# M. Fay Wu

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[github.com/mfaywu](https://github.com/mfaywu)

- Work Experience** SDE Intern (Analysis & Experimentation), Microsoft; Bellevue, WA – June to September 2016  
I am currently tackling the problem of retaining institutional knowledge by collecting metadata on A/B test experiments and storing/reporting it in a useful way. I work with several data scientists, several customers (analysts from MSN, Bing, etc), a senior SDE mentor, and participate in the entire team's 2-week sprint cycles and my 6-person sub-team's daily scrums. Agile methods: user stories, TDD  
*C#, TypeScript, SQL Server* ([exp-platform.com](http://exp-platform.com))
- Freelance, SMG Agency; Paris, France - August 2015  
I created a WordPress plugin to integrate Google Spreadsheets with an algorithm to pull and display data based on given weights for items. *JavaScript* (<http://smg-agency.co/>)
- SDE Intern (Bing Ads), Microsoft; Bellevue, WA– June to September 2014  
On a middle tier databases team, I created an internal dashboard that displays database information such as data transfer latency and system health. *C#, SQL Server* ([advertise.bingads.microsoft.com](http://advertise.bingads.microsoft.com))
- Passions** President, Outreach Director, UCLA ACM - June 2014 to June 2016  
Restarted the club to create a community with technical workshops for both UCLA / high schools in the area, and community events such as career networking opportunities and hackathons. ([acm.cs.ucla.edu](http://acm.cs.ucla.edu))
- President, Founder, UCLA ACM-W – December 2014 to March 2015  
Started UCLA's 1st computer science club for women to increase exposure to the different fields, career paths, and role models for women and minority groups interested in CS. ([fb.com/groups/uclaacmw](https://fb.com/groups/uclaacmw))
- Projects** FDPaint; Digital Design Class - March 2016  
Paint program implemented on Nexys3 FPGA with joystick + VGA screen. *VHDL* ([GitHub](#))
- RockTomato; PennApps - January 2015  
Pomodoro timer app for Pebble Watch. *Pebble, C, iOS* ([devpost.com/software/rocktomato](http://devpost.com/software/rocktomato))
- King of the Block; MongoDB API Winner at hackNY – October 2014  
iOS application for King of the Hill game on the streets of Manhattan. *iOS, MongoDB* ([GitHub](#))
- ImpAlarm; 2nd Place at PearlHacks (UNC Chapel Hill) – March 2014  
A bracelet with buttons to help prevent college rapes. *Squirrel, Electric Imp, HTML, CSS*  
([community.electrincip.com/blog/the-impalarm](http://community.electrincip.com/blog/the-impalarm))
- Armateur; Finalist at LA Hacks - December 2013  
Leap Motion controlled robotic arm. *Leap Motion, Teensy, Robotic Arm*  
([blog.leapmotion.com/la-hack-finalists-armateur-robotic-arm-leap-motion-bluetooth](http://blog.leapmotion.com/la-hack-finalists-armateur-robotic-arm-leap-motion-bluetooth))
- Education** University of California, Los Angeles – B.S. Computer Science, Graduation: December 2016  
Engineering Achievement Award for Student Welfare (<http://bit.ly/2991x1Z>)
- Classes** Artificial Intelligence, Computer Graphics, Entrepreneurship, Operating Systems, Computer Networks, Digital Design, Software Engineering, Computer Security
- Add'l Passions** Coursera: Machine Learning (IP, [coursera.org/learn/machine-learning](https://coursera.org/learn/machine-learning))  
Reading: ([goodreads.com/mfaywu](https://goodreads.com/mfaywu))