Tammy Liu

programmer. designer.

- tammyliu.me
- hello@tammyliu.me
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- github.com/aneedalie

// skills

Scala	Swift
Java	C++
Python	JavaScript
HTML/CSS	

Git	Play
MongoDB	AngularJS
Node.js	

Sketch	Illustrator
Photoshop	InDesign

// interests

- video games
- ballroom dancing
- martial arts

// experience

Asana – mobile engineer (iOS)   san francisco, may – aug 2017
Swift, Objective-C
- built user profile pages feature to increase collaboration between users, and A/B tested to over 60,000 active users resulting in increased mobile usage
- co-lead accessibility initiatives by creating best practices and improved VoiceOver compatibility to launch the app for the visually impaired

National University of Singapore – course developer   singapore, sept – dec 2016
Python, Node.js
- developed course structure and preliminary content for "Machine Learning driven Data Science" with Python and Jupyter Notebook
- collaborated with a team of 30 to create "Connect Using APIs" course content on API development, with an emphasis on industry practices using Node.js

Hootsuite – backend developer   vancouver, jan – apr 2016
Scala, Play Framework
- created a high performance Scala and Play microservice, serving more than 8000 requests per second, by re-architecting monolithic PHP code
- developed production health checks for new microservices with Consul

MetricWire – UI/UX designer & frontend developer   waterloo, may – aug 2015
MEAN stack, Sketch
- designed and implemented UI/UX for a research participation incentive system and existing features using Sketch, AngularJS, and HTML/CSS

// projects

UW NanoRobotics Group – controls team lead   2014 – present
Python, C++
- built controls GUI features to maneuver micro-robots with actuators and Python
- migrated legacy code base to a C++ architecture to promote sustainable code

Tech Retreat – project manager   2015 – 2016
- supervised and planned Hackathon & Learnathon for over 150 high school students
- coordinated event design, logistics, and judging with a team of 22 organizers

// achievements

Technical blog post featured in an O'Reilly book for Microservices Architecture 2016
explained Hootsuite's practices of migrating from a monolith to microservices

1st for Microassembly, Mobile Microrobotics international robot challenge   2016
represented and competed with the UW NanoRobotics Group at the IEEE Conference for Robotics and Automation (ICRA)

// education

University of Waterloo   2014 – 2019 (expected)
candidate for Bachelor of Software Engineering (Cognitive Science Minor)