

# DOUGLAS SHERK

ENGINEERING | BUSINESS | PRODUCTS

✉ doug@sherk.me

🌐 http://sherk.me

☎ +1 (647) 636-9145

👤 DouglasSherk

🌐 dougsherk

✌ dsherk



## HIGHLIGHTS & SUMMARY

Ex-Silicon Valley, Mozilla, Zynga, 10yr+ software engineer, tech lead, PM, founder.

Looking for early-stage startup CTO roles.

- As an engineer, shipped code to 100M+ users (Mozilla), drove \$2M+ revenue at SV-based companies (Mozilla, Zynga)
- As a tech lead, set up scrum from scratch and made excellent but deadline-missing team always deliver on-time (Mozilla)
- As a startup founder, started two companies (BuyingBud), acquired seed funding and hired employees (SciGit)



## WORK EXPERIENCE



### BuyingBud

2016

Toronto

#### Co-Founder and CTO

NodeJS, ReactJS, SQL, Amazon – Electronics recommendation engine

- Built product recommendation engine on Amazon that pulls top 100 products of each type
- Got first sale from stranger in just 3 months of development
- Used lean startup methodology, iterated on design by performing dozens of user interviews



### Mozilla

2015

San Francisco

#### Product Manager – Firefox OS Spark

HTML5, JS, CSS – Product and tech lead of a set of on-device developer tools

- Managed this project personally for the CEO of Mozilla, met with him weekly
- Handled logistics of device distribution to 2K Mozilla community members
- Architected and negotiated a process for capturing 1Bn+ records of analytics

2014

San Francisco

#### Tech Lead – Firefox OS Telephony

HTML5, JS, CSS – Lead of the telephony subsystem of the Firefox OS front-end

- Implemented project management processes to turn talented but disorganized team of 10 from missing every deadline for a year to always shipping on-time
- Enabled management to treat the team as an independent unit that needed no supervision

2014

Toronto

#### Software Engineer – Firefox OS

C++, JS, CSS – Telephony peer and Gecko platform improvements for Firefox OS

- Improved performance of Firefox OS keyboard by 50% skipping unnecessary repainting
- Implemented telephony features such as dialing from the call log and dual-SIM support



### SciGit

2013

Waterloo

#### Co-Founder and CTO

PHP, AngularJS, MongoDB, Git – Product lead for science collaboration startup

- Built website on top of Git to track changes to science papers and provide publishing tools
- Grew to 1K daily active users and raised \$50K in seed funding



### Mozilla

2011 - 2012

San Francisco

#### Software Engineer Intern – Firefox

C++, WebGL – Two-time intern, Firefox OS panning/zooming, part of Firefox WebGL

- Built Firefox OS async panning/zooming, improved ~5M users' app performance by 10x
- Rewrote Firefox feature detection code, allowing ~10M users to use features like WebGL
- Directly mentored by one of the most senior engineers at the company
- Achieved "Outstanding" rating both times, the highest possible for an internship



### Zynga

2011

San Francisco

#### Software Engineer Intern – FarmVille

JS, ActionScript, SQL – Growth & analytics feature engineering

- Developed growth features that directly generated \$2M+ in revenue



## PROGRAMMING LANGUAGES & SKILLS

### EXPERT

- Ruby on Rails
- JavaScript (+ES6)
- SQL (Postgres, MySQL)
- CSS (+SASS, LESS)
- HTML5
- C, C++
- Heroku
- NodeJS + Express

### PROFICIENT

- PHP + CodeIgniter
- AWS (EC2, ELB, S3)
- Git
- ReactJS
- Linux + Bash
- jQuery
- Sketch
- UX/UI Design

### SOME EXPERIENCE

- Java
- AngularJS
- WebGL
- C#
- Docker
- Redis
- ActionScript
- Photoshop



## EDUCATION

### UWaterloo

2008 - 2013

*Waterloo*



### B.A.Sc., Mechatronics Engineering, Honours Co-op

Class webmaster and one of three student class reps at faculty meetings

- Relevant classes credited in:
  - Machine Intelligence, Real-Time Operating Systems, Computer Security, Concurrent and Parallel Programming, Computer Graphics, Algorithms and Data Structures



## SIDE PROJECTS

### Apollo RP

2008 - 2011



### Project Founder and Lead Engineer

C & SQL – Half-Life massively multiplayer total-conversion

- Built plugin API with 12 developers, 50 plugins, 500 community members, and 5K+ users
- Wrote over 50K lines of code and 12 sub-modules, with several designed for concurrency
- Made fully-functional economy, jobs, cross-server chat, weapons, items, and real estate

### uSurf

2005 - 2008



### Author

C – Counter-Strike game mode

- Surveyed users and server owners of existing tools and combined functionality into one
- Grew total users to ~1M, and peak server count to 200 32-player servers simultaneously
- Got over 50K downloads for just the server component



## MISCELLANEOUS

### MOZILLA

- Was owner of 3 modules
- Was peer of 5 modules
- Wrote 598 patches
- Reviewed 486 patches

### UWATERLOO

- Was VeloCity entrepreneur campus resident
- Got Facebook hackathon honorable mention
- Ran side programming business

### FREE TIME

- Took Designlab 101, Branding class
- Read 10 business books last year
- Taking Coursera ML specialization



## LANGUAGES

English – Native

Mandarin Chinese – Limited Working Proficiency

French – Elementary