Joshua Netterfield

Internships

Facebook — LATE 2016
- Provided access tools for historical news feed acceptance test performance data for analysis and benchmarking, Used **C++**, **SQL**, & **Python**.
- Automated the host management of a C++ service.

Palantir — EARLY 2016
- Helped build & run an end-to-end data analysis workflow to identify and help high-risk health insurance members. Cleaned & analyzed CMS-1500/UB-04 forms for millions of members using **Hadoop**. Wrote frontend using **JavaScript**, **PostgreSQL**, & more.

Stripe — SUMMER 2015
- Implemented dispute evidence submission and other user interfaces for the upcoming merchant dashboard. Built components in **Ember**. Wrote a data persistence layer using **Ember Data**.
- Implemented electric-huxley, a system for efficiently catching visual regressions in web applications. Optimized it to run Stripe's visual tests **20 times faster** than the previous solution, *node-huxley*.

Khan Academy — SUMMER 2013 AND EARLY 2014
- Designed and implemented reports used by parents and teachers to track the progress of millions of students. Built web frontend in **React** and **Underscore**. Created scalable backend with **Google App Engine** for **Python**.
- Worked with a team of designers to announce the SAT & Common Core partnerships.
- Wrote the BlackBerry 10 Khan Academy app using **Qt** with *JavaScript* and *C++*.

BlackBerry — SUMMER 2012
- Implemented accelerated CSS Filer Effects in **WebKit** (**C++**) for the BlackBerry 10 Browser.
- Improved the rendering speed of text shadows fourfold and raised the **WebGL** aquarium demo frame rate by **60%**.

About Me

I'm a software developer, pianist, cyclist, and student in Software Engineering at the University of Waterloo.
In my spare time, I work on a collaborative song editor.

Developed Satie, an open-source sheet music engraver for the web written in **React** with **TypeScript**.
See Github.com/jnetterf/satie.

Created **Bible** — the most downloaded religious app for BlackBerry 10 — under contract to lifechurch.tv.
Published the most purchased *podcasting* app for BlackBerry 10.

Wrote a data display program in Qt/C++ for Blast — a CSA/NASA funded experiment.

Joshua Netterfield...

"... was one of the most productive members of our team during his co-op, even when compared to the full-time engineers on the team. He shipped quickly and with great quality while still being a good role model for the team and not working insane hours. He surprised me by proactively asking for feedback regularly (and he took it extremely well!), and was very independent but still a great team player. When offered a more siloed, larger project for him to design and build, he preferred to work with the team on our POs, which I found extremely admirable. Josh wrote amazing documentation for the things he built, and made sure that after he left we'd be able to understand the nitty gritty parts of the code he left behind. If there was a part of the code or some tooling he was unhappy with, he would proactively fix it or document it, but he would also ask us first if he should prioritize it.

On a personal level, Josh was exceptionally good at showing gratitude/appreciation to team members. He also knew when to make compromises with other team members for the benefit of the team v. pushing with his own opinions." — MICHELLE BU, **SOFTWARE ENGINEER** AT **STRIPE**[1]

"... has been an outstanding contributor to the Palantir team that he's worked on. He's been an integral member of the team and has been critical in developing components of the project that he's worked on." — MATTHEW LYNCH, **FORWARD DEPLOYED ENGINEER** AT **PALANTIR**[1]

"... walked into a team in need of help and completely transformed its ability to get things done. He just... *produces*. In the course of one summer he completely revamped our entire coach/teacher reporting system from end to end (and managed to launch a fully functional mobile app in his spare time). *[...]* We still use him as an example when talking about previous interns and assessing their output." — BEN KAMENS, **LEAD DEVELOPER** AT **KHAN ACADEMY**[1]

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[1] Excerpts from Waterloo performance evaluations. Full feedback available on request.