/* ashwin agarwal











i explore how technology and design can enhance artistic expression. i think a lot about urbanism, transport, and public spaces.

> Email: me@ashwinagarwal.com Portfolio: myfirstandlastname.com GitHub:



github.com/aaga



experience;

Mozilla. Senior Software Engineer

2022 - 2024

- Lead Trust & Safety Engineer for Mozilla products content moderation solutions.
- System design for a data privacy research tool: user accounts, telemetry, data analysis.
- Node.js / React / Vue.js / Ruby / Rails / WebExtensions / Firebase / GCP / BigQuery / Terraform

Freelance. Software Developer

2020 — Present

• Automation, Web Scraping, Data Aggregation, Visualization, Embedded Systems, Mobile Dev.

Local Projects Design Studio. Creative Technologist

2019 - 2020

- · Designed and implemented a new real-time location system protocol in Google Protobuf.
- Prototyped novel physical interactions using OptiTrack Motive and Dataton WATCHOUT.

National Museum of Mathematics. Interactive Technology Intern

Fall 2018

Electron JS / Arduino / printed circuit board / RFID / LEDs / Teensy

Facebook. Software Engineering Intern

Summer 2018

Objective-C / C++ / iOS, CoreFoundation, pthreads / C# build system

Stanford. Teaching Assistant for Computer Science

2016 - 2019



projects;

24 segments. Dynamic light installation. Fluorescent tubes, arranged in a grid.

Selected for 6th Annual Undergraduate Juried Exhibition, Stanford Art Gallery

Subway Clock. Live departure board for your local subway station.

Hydrant Hunt. A participatory artwork in a public park, presented as a game.

Drip Drop. 48-hour Film Festival **.** Grand Jury Winner. Audience Award Winner.

Surrounded. Sound art installation. Max MSP. Wood, acrylic, actuators. Pair project.



education;

Stanford University. B.S. in Computer Science. GPA: 3.9

June 2019

Human-Computer Interaction. Designing for Public Spaces. Computer Systems.



skills and interests;

Technical Skills. C++, JavaScript, TypeScript, Python, SQL. GCP. Raspberry Pi, Arduino, ESP.

Rowing. International Gold Medal of the Great Britain Team. National Record holder.

Volunteering. London Science Museum, National Museum of Mathematics.