



# Jacob Rodal

Incoming Software Engineer at Facebook

I'll be joining Facebook's Seattle Office in February 2021.

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## SKILLS

Linux

Shell Scripting

Backend Development

Git

Docker

Django

Rust Rocket

Machine Learning

## LANGUAGES

Python ★★★★★

Bash ★★★★★

Rust ★★★★★

Hacklang ★★★★★

C++ ★★★★★

Java ★★★★★

R ★★★★★

SQL ★★★★★

HTML ★★★★★

CSS ★★★★★

## WORK EXPERIENCE

### Facebook

Software Engineer

(February 2021 - )

### Facebook

Software Engineer Intern

(May 2020 - Aug 2020)

- Designed and built an internal framework that enables Facebook engineers to create complex, large scale campaigns to simulate the behavior of bad actors and bots on Instagram.
- Implemented support for simulating behavior relating to profile updates, content publishing, engagement, and interactions between Instagram users

### Leidos

Software Engineer Intern

(May 2019 - Sept 2019)

- Contributed to the development of open source simultaneous localization and mapping (SLAM) libraries in order to reconstruct 3-D point cloud models from real time video streams.
- Led the development of a rust web server capable of directing incoming video data into SLAM processes and directing SLAM data to connected clients.

## EDUCATION

### University of Virginia

Computer Science and Statistics

**3.94/4.00**

(Aug 2017 - Dec 2020)

Graduated with highest distinction

### Woodgrove High School

Advanced Degree

**4.66/4.00**

(Aug 2013 - June 2017)

Graduated Valedictorian (rank 1/390)

## PERSONAL PROJECTS

### Watch Scripts

A tutorial for executing shell commands on your Linux computer from your smartwatch - 45+ stars on Github. Top 20 all time post on a unix subreddit with 260,000+ subscribers.

### Brunnylol

A smart bookmarking/search management tool for browsers, inspired by Facebook's bunnylol. Webserver implemented using the Rocket Rust framework and deployed to a VPS.

### Screenshot Actions

Implemented OCR and file manipulation actions for the Dunst Notification daemon that users interact with through dmenu after taking screenshots - 40+ stars on Github.