Jacob Rodal

Computer Science Student and Future Software Engineer

Greetings! I'm Jacob Rodal, a computer science student interested in backend software development. Feel free to reach out to me if you have any questions!

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✉ jrodal98@gmail.com

SKILLS

Linux

Shell Scripting

Backend Development

Git

Docker

Django

Rust Rocket

Machine Learning

LANGUAGES

Language	Rating
Python	★★★★★
Bash	★★★★
Rust	★★★
Hacklang	★★★
C++	★★★
Java	★★★
R	★★★
HTML	★★★
CSS	★★
SQL	★★

WORK EXPERIENCE

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)

Received Immediate Honors (top 20% of class of 2021)

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.