

JANUS VARMARKEN

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WORK EXPERIENCE

Hewlett Packard Enterprise

Systems/Software Engineer III Jun 2026 – Present

- Develop and maintain several enterprise scale ETL pipelines for integrations with various third parties.

Systems/Software Engineer II Nov 2025 – May 2026

- Designed and implemented a service that other services rely on for (periodically) querying third party APIs.

Juniper Networks, Inc. (acquired by Hewlett Packard Enterprise)

Software Engineer 3 Jul 2023 – Oct 2025

- Scaled the Mist platform's Zoom and Microsoft Teams integrations to handle correlation of minute-by-minute QoS data from hundreds of thousands of meetings with hundreds of millions of Mist network QoS data points.

Software Engineering Intern Jun 2022 – Sep 2022, Jun 2021 – Sep 2021

- Piloted the integration of Zoom in the Mist platform, which is now used by hundreds of enterprise customers.

University of California, Irvine

Graduate Student Researcher Sep 2017 – Jun 2023

- Analyzed network traffic of smart TVs to assess advertising and tracking. Featured at FTC PrivacyCon 2021.
- Developed a framework that makes it simple to define and test custom network fingerprinting techniques.

Teaching Assistant for Introduction to Computer Networks Mar 2020 – Jun 2020, Apr 2019 – Jun 2019

Visiting Junior Specialist II Sep 2014 – Jan 2015

- Developed the first version of AntMonitor, an Android application that performs network traffic inspection on an Android device while not requiring root (see <https://athinagroup.eng.uci.edu/projects/antmonitor/>).

Symantec Corporation

Security Technology & Response (STAR) Intern Jun 2019 – Sep 2019

- Worked on network traffic analysis using Swift and Rust, e.g., extracting TLS fingerprints from TLS records.

IT University of Copenhagen

IT Employee Dec 2015 – Jan 2016

- Developed an Android application that uses Bluetooth to relay data from AntMonitor to a wearable device.

Danish Maritime Authority

Student Worker Oct 2013 – Jul 2014

- Developed Java software for vessel navigation computer systems.

Hammerstad A/S

Programmer Mar 2012 – Sep 2013

- Developed websites and database tools in C#.

EDUCATION

University of California, Irvine

Ph.D. and M.S. in Networked Systems Jun 2023

IT University of Copenhagen

M.S. in Information Technology – Software Development and Technology Jun 2017

B.S. in Software Development Jun 2013

OPEN-SOURCE SOFTWARE

unicast2multicast-translator (see <https://github.com/JNPRAutomate/unicast2multicast-translator>)

A service that translates unicast traffic to multicast traffic. Enables a host in a unicast-only network to source content intended for multiple recipients in multicast-enabled networks.