# Noah T. Curran

PhD Candidate · Computer Science & Engineering

*University of Michigan, 2260 Hayward Street, Ann Arbor, MI 48109*

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## Education

**University of Michigan** — *Ann Arbor, Michigan*
PhD Computer Science & Engineering — *Aug. 2020 - present*
- Advisor: Dr. Kang G. Shin

**University of Michigan** — *Ann Arbor, Michigan*
MS Computer Science & Engineering — *Aug. 2020 - Dec. 2021*
- Advisor: Kang G. Shin

**Purdue University** — *West Lafayette, Indiana*
BS Computer Science (Hons.) · BS Mathematics — *Aug. 2017 - May 2020*
- Advisors: Yung-Hsiang Lu (Purdue), George Thiruvathukal (Loyola Chicago), and Felix Lin (Purdue, now at UVA)
- Most Outstanding Senior in Computer Science
- President Scholarship ($5,000 / yr.)

## Professional Experience

2023-Now **Graduate Student Instructor - EECS 571 Principles of Real-Time Embedded Systems**, University of Michigan
2023 **Research Intern**, Toyota Research Institute of North American, Future Research Division
2022-2023 **Research Intern**, Lear Corporation, Cybersecurity Division
2020-Now **Graduate Student Research Assistant**, Dept. of Computer Science & Engineering, University of Michigan
2018-2020 **Undergraduate Research Assistant**, Dept. of Electrical and Computer Engineering, Purdue University
2018-2020 **Undergraduate Teaching Assistant - CS 250 Computer Architecture**, Purdue University
2020 **Software Engineering Intern**, Lawrence Livermore National Laboratory, NARAC

## Publications

Equal contribution denoted with *

### Published

**Noah T. Curran***, Arun Ganesan*, Mert D. Pesé, Kang G. Shin. 2023. Using Phone Sensors to Augment Vehicle Reliability. IEEE Conference on Communications and Network Security (CNS '23). · (Acceptance rate: 32/112 = 28.6%) · [PDF]

**Noah T. Curran**, William Hass, Kang G. Shin, Lars Wolleschensky, Rekha Singoria, Isaac Snellgrove, Ran Tao. 2023. WIP: Augmenting Vehicle Safety With Passive BLE. ISOC Symposium on Vehicle Security and Privacy (VehicleSec '23). · (Acceptance rate: 6/16 = 37.5%) · [Best WIP Runner-Up] · [PDF]

### In Prep

**Noah T. Curran**, Thomas Kennings, Kang G. Shin. Is Boeing 737-MAX Still Safe? Analysis and Prevention of MCAS-Induced Crashes. · [arXiv]

## Awards, Fellowships, & Grants

2023 **Best WIP Paper Runner-Up**, VehicleSec 2023
**Student Travel Grant**, VehicleSec 2023 — *$ 650*
**Student Travel Grant**, Rackham, University of Michigan — *$ 900*

2022 **NSF Graduate Research Fellowship Program Honorable Mention**, NSF

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| 2020 | **Most Outstanding Senior**, Dept. of Computer Science, Purdue University | *$ 500* |
| 2019 | **NSF SaTC PI Meeting Student Travel Grant**, NSF | *$ 1,500* |
| | **NSF REU**, Purdue University | *$ 5,000* |
| 2017 | **Presidential Scholarship**, Purdue University | *$ 5,000 / yr.* |

## Mentoring

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| 2023 | **Yinghui He**, Undergrad, University of Michigan |
| 2022-2023 | **Thomas Kennings**, Undergrad, University of Michigan |
| 2022 | **Liuqing Yang**, Undergrad, University of Michigan |