Noah T. Curran

PHD STUDENT · COMPUTER SCIENCE & ENGINEERING

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Education

University of Michigan   *Ann Arbor, MI*
PHD COMPUTER SCIENCE & ENGINEERING   *Aug. 2020 - present*
- Advisor: Prof. Kang G. Shin

University of Michigan   *Ann Arbor, MI*
MS COMPUTER SCIENCE & ENGINEERING   *Aug. 2020 - Expected Dec. 2021*
- Advisor: Prof. Kang G. Shin

Purdue University   *West Lafayette, IN*
BS COMPUTER SCIENCE (HONS.); BS MATHEMATICS   *Aug. 2017 - May 2020*
- Honors thesis advisor: Prof. Yung-Hsiang Lu

Professional Experience

2020 - pres.	**Graduate Student Research Assistant**, Real-Time Computing Labratory (RTCL); University of Michigan
2019 - 2020	**Undergraduate Research Assistant**, Xroads Systems Exploration Lab (XSEL); Purdue University
2018 - 2020	**Undergraduate Research Assistant**, Continuous Analysis of Many CAMeras (CAM^2); Purdue University
2018	**Computation Student Intern**, Lawrence Livermore National Laboratory; Livermore, CA

Publications

MANUSCRIPT IN PREPARATION

Awards, Fellowships, & Grants

2021	**Beta-Epsilon Chapter of Eta Kappa Nu (HKN) Honors Society**, University of Michigan	
2020	**Honors Degree in Computer Science**, Purdue University	
	Outstanding Senior, Purdue University Department of Computer Science	*$ 500*
2019	**Research Experience for Undergraduates**, National Science Foundation	
	Secure & Trustworthy Cyberspace PI Meeting Travel Grant, National Science Foundation	*$ 1,500*
2017	**Presidential Scholarship**, Purdue University	*$ 5,000/yr*

Presentations

* presenting author; + mentored undergraduate

Chinnakotla, A.*+, Chadwick, C.*+, **Curran, N. T.**, Davis, S.+, Chen, R.+, Banna, V.+, Lecroy, J.+, Firestone R.+, Dave, V.+, Lee, S.+, Lu, Y., Thiruvathukal, G. K. 2019. Poster: Optimus: A Software Bot for Automated Code Review. Purdue Undergraduate Research Symposium, West Lafayette, IN.   [PDF]

Park, H., **Curran, N. T.***, Lin, F. X. 2019. Poster: TrustZone as a Secure Tensor Processor. Secure and Trustworthy Cyberspace PI Meeting, Alexandria, VA.   [PDF]

Teaching Experience

Spring '20	**CS 250 - Computer Architecture**, Undergraduate Teaching Assistant	*Purdue*
Fall '19	**CS 250 - Computer Architecture**, Undergraduate Teaching Assistant	*Purdue*
Spring '19	**CS 193 - Tools**, Undergraduate Teaching Assistant	*Purdue*
Fall '18	**CS 250 - Computer Architecture**, Undergraduate Teaching Assistant	*Purdue*
	CS 193 - Tools, Undergraduate Teaching Assistant	*Purdue*

Mentoring

2018-2020	**Various Undergrads**, Continuous Analysis of Many CAMeras Software Engineering Team	*Purdue*