

Michael Flanders

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EDUCATION

- 2020-Current The University of Washington
 Ph. D. Computer Science
- 2016-2020 The University of Texas at Austin
 BS in Electrical and Computer Engineering

PAPERS AND PRESENTATIONS

- Nov. 2019 Michael Flanders, “*Transforming String-Manipulating Programs for Improved Symbolic Execution Performance*,” Poster Presentation, Capital of Texas Undergraduate Research Conference 2019, The University of Texas at Austin.
- Aug. 2019 Michael Flanders, “*A Simple and Intuitive Algorithm for Preventing Directory Traversal Attacks*.” Available <https://arxiv.org/abs/1908.04502>.
- March 2018 M. Flanders, J. Smith, “*How (Not) to Patch Command Injection Bugs*,” BSides Austin 2018 conference, UT Austin’s Pickle Research Center.

HONORS, AWARDS, AND ACHIEVEMENTS

- 2019 Finalist for Best Research Poster Presentation, The Capital of Texas Undergraduate Research Conference
- 2018 Best Electrical Engineering Educational Design Project and Presentation

TEACHING

- Winter 2021 TA - Programming Languages
- Autumn 2020 TA - Compilers

PROFESSIONAL EXPERIENCE

- Sept. 2019 - June 2020 **Undergraduate Research Assistant.** The University of Texas at Austin.
- Jan. 2019 - July 2020 **Reverse-Engineering Tools Developer (Part-Time).** Zero Day Initiative.
- Jan. 2018 - Dec. 2018 **Vulnerability Intelligence Intern (Full-Time).** Zero Day Initiative.
- Feb. 2015 - Jan. 2018 **Advanced Repairs Agent.** GeekSquad.
- Feb. 2015 - May 2016 **Repair Shop Manager.** Cooper High School Tech S.W.A.T.
- Jan. 2014 - Jan. 2015 **Volunteer Game Server Moderator.** The Cube Server Inc. Charity.

OPEN SOURCE CONTRIBUTIONS

July 2018 Metasploit Framework, Dell SonicWall Server Management Exploit Module. Git commit-hash: b00f0e8. Picked up by the Mirai and Gafgyt botnets.