

# Shane K. Panter

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<https://shanepanter.com>

## Education

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**Ph.D in Computing (ABD)**

*Boise State University*

Spring 2026

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**M.S. in Computer Science**

*Boise State University*

Spring 2013

## Academic Appointments

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**Clinical Assistant Professor**

*Boise State University*

August 2023 – Present

**Lecturer III**

*Boise State University*

August 2021 – August 2023

**Lecturer II**

*Boise State University*

August 2013 – August 2021

**Research Assistant**

*Boise State University*

March 2009 – May 2011

## Industry Experience

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**Foundation Code**

*Senior Software Engineer*

Boise, Idaho

September 2012 – Present



**Hewlett Packard**

*System Firmware Engineer III*

Boise, Idaho

May 2011 – September 2012



**Western Trailers**

*Software Developer / Information Technology*

Boise, Idaho

June 2005 – May 2011

## Publications

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- [1] **S. Panter** and N. Eisty, “Rusty linux: Advances in rust for linux kernel development,” in *Proceedings of the 18th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement*, ser. ESEM '24, Barcelona, Spain: Association for Computing Machinery, 2024, pp. 496–502, ISBN: 9798400710476. DOI: 10.1145/3674805.3690756. [Online]. Available: <https://doi.org/10.1145/3674805.3690756>.
- [2] **S. K. Panter**, L. Hindman, and N. U. Eisty, *A systematic approach to evaluating development activity in heterogeneous package management systems for overall system health assessment*, 2024. arXiv: 2409.04588 [cs.SE]. [Online]. Available: <https://arxiv.org/abs/2409.04588>.
- [3] A. Joshi, M. Schmidt, **S. Panter**, and A. Jain, “Evaluating the benefits of team-based learning in a systems programming class,” in *2020 IEEE Frontiers in Education Conference (FIE)*, IEEE, 2020, pp. 1–7. DOI: 10.1109/FIE44824.2020.9274183.

## Grants

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- NSA, “GenCyber 2024 Summer Camp at Boise State University for Secondary Teachers,” PI: Jyh-haw Yeh (Program Director), Co-PIs: Doug Twitchell, Shane Panter and Edward Vasko, 7/24/2023 - 7/24/2025, \$150K. **Funded**
- National Renewable Energy Laboratory, ”Running Like the Wind: Boise State Broncos CWC20” PI: Lynn Catlin, Co-PI: Shane Panter, 8/1/2019 - 8/1/2020, \$20K Not Funded
- Mozilla, ”Mozilla Responsible CS Challenge” PI: Donald Winiecki, Co-PIs: Amit Jain, Shane Panter, 8/1/2019 - 8/1/2020, \$144,388 Not Funded
- Idaho Department of Commerce, ”Predictable Ryde” PI: Bogdan Dit, Co-PI: Shane Panter, 5/14/2018 - 8/13/2019, \$131,995.20 Not Funded

## Teaching

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- CS117 C++ for Engineers - Course coordinator (Fall 2015 - Present)
- CS119 Introduction to Java
- CS121 Introduction to Computer Science I
- CS155 Introduction to Version Control - Course coordinator (Spring 2018 - Present)
- CS208 Introduction to Full Stack Web Development - Course coordinator (Spring 2023 - Present)
- CS221 Introduction to Computer Science II
- CS253 Introduction to Systems Programming - Course coordinator (Fall 2015 - Spring 2018)
- CS333 Network Security and Defense Course coordinator (Spring 2023 - Present)
- CS354 Programming Languages
- CS408 Full Stack Web Development - Course coordinator (Spring 2020 - Present)
- CS452 Operating Systems - Course coordinator (Fall 2019 - Present)
- CS471 Software Engineering
- CS481 Senior Design - Course coordinator (Spring 2018 - Spring 2021)
- CS516 Introduction to Web Development - Course coordinator (Spring 2020 - Fall 2023)
- CS552 Operating Systems - Course coordinator (Fall 2019 - Present)

# Service

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## Internal - Boise State University

- Spring 2023 - Present Idaho Cyber Range liaison for Boise State University
- Spring 2023 - Present Computer Science Department Outreach Committee member
- Spring 2017 - Spring 2023 Computer Science Department Curriculum Committee member
- Spring 2019 - Spring 2021 Industry liaison for CS481 - senior design
- Spring 2019 - Spring 2021 Committee Member University Foundations Finishing Foundations courses
- Spring 2019 - Spring 2021 Committee member COEN Senior design committee
- Spring 2017 - Spring 2018 Interim Chair of the Computer Science Department Curriculum Committee
- Spring 2016 Chair of the EN-0020-15 Lecturer search committee

## External - Volunteer

- Spring 2017 - Present Business Professionals of America (BPA) Judge
- Fall 2019 - Fall 2021 IHSAA speech and debate Judge
- Fall 2015 - Spring 2016 Lowell Scott CS Club instructor

## External - Review

- ESEM 2024 conference - Sub-reviewer for conference technical papers track