Samuel Judson

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Academic History

Exp. 2024 — Doctor of Philosophy in Computer Science, **Yale University**
Advisor. Ruzica Piskac
Dissertation. (Private) Formal Methods for Rigorously Governable Systems

en passant — Master of Philosophy in Computer Science, **Yale University**
Master of Science in Computer Science, **Yale University**
Honors in every graded course, equivalent to GPA. 4.0/4.0

May 2016 — Bachelor of the Arts in Computer Science & Mathematics, **Marlboro College**
awarded with *Highest Honors* Plan GPA. 3.96/4.0 | Overall GPA. 3.89/4.0
Subfield. Cryptography
Advisors. Jim Mahoney & Matt Ollis
Plan of Concentration. Authentication: Techniques and Theory

Work Experience

Jul 2016 to Aug 2018	Application Security Engineer at **Autho**
Summer 2014	Software Development Intern at **Eqsquest**
Sep 2013 to May 2014	Software Developer at **Trendpo**
Summer 2013	Software Development Intern at **Trendpo**

Publications, Preprints, & Theses

1. On Heuristic Models, Assumptions, and Parameters
   Samuel Judson and Joan Feigenbaum
   Under Submission.
   also arXiv preprint arXiv.2201.07413, 2022.

2. ppSAT: Towards Two-Party Private SAT Solving
   Ning Luo, Samuel Judson, Timos Antonopoulos, Ruzica Piskac, and Xiao Wang
   USENIX Security Symposium, 2022.
   also Cryptology ePrint Archive Report 2021/1584, 2021.

3. Privacy Preserving CTL Model Checking through Oblivious Graph Algorithms
   Samuel Judson, Ning Luo, Timos Antonopoulos, and Ruzica Piskac
   Workshop on Privacy in the Electronic Society (WPES@CCS), 2020.

4. Authentication: Techniques and Theory
   Samuel Judson
   Marlboro College Plan of Concentration (Undergraduate Thesis), 2016.

Teaching

Yale University

Teaching Fellow for CPSC 458/558, S22.
Course. Automated Decision Making
Instructor. Stephen Slade

Teaching Fellow for CPSC 474/574, F19 & F20.
Course. Computational Intelligence for Games
Instructor. Jim Glenn

Teaching Fellow for CPSC 310, S19 & S20.
Course. Technology, Power, and Security: Political Challenges of the Computer Age
Instructors. Joan Feigenbaum & Steven Wilkinson

Marlboro College

Computer Science Tutor, F13 to S15.
Supervisor. Jim Mahoney

Academic Awards, Service, & other Activities

Awards

– Recipient, National Science Defense & Engineering (NDSEG) Graduate Fellowship, 2020.
– Degree awarded with *Highest Honors*, Marlboro College.
– Recipient, Dean's Merit Scholarship, Marlboro College.

Service

– Artifact Evaluation Committee, CAV 2022.
– Subreviewer, FMCAD 2020.

Other Activities

– Student Participant at the Simons Institute for the Theory of Computing, 2021.
Program. Theoretical Foundations of Computer Systems
– Student Review Committee for the Ackermann Award for Teaching and Mentoring, 2021.
at the Yale School of Engineering and Applied Sciences (SEAS)
– Poster at DIMACS Workshop on the Co-Development of Computer Science and Law, 2020.
Title. Heuristic Models, Assumptions, and Parameters
– Participant at the VMCAI Winter School, 2020.