

Paulette Koronkevich

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Education

May 2019 **Indiana University**, Bloomington, Indiana
School of Informatics, Computing, and Engineering
Bachelor's of Science in Computer Science
MINORS: Mathematics, Slavic Studies

Honors & Awards

2015-2018 Indiana University Cox Scholarship
given to ~40 incoming IU students for high academic performance along with a part-time job, and are required to maintain this throughout their undergraduate degree.

2015-2019 School of Informatics, Computing, and Engineering Dean's List
given for maintaining a GPA above 3.7.

2018 Second place at Systems, Programming, Languages, and Applications: Software for Humanity (SPLASH 2018) Student Research Competition

2018 Cornell, Maryland, and Max Planck Pre-Doctoral Research School (CMMRS) Travel Award

2017 First place at the SICE Research & Projects Symposium
presented my compilers course project: One Weird Trick to Compile Call/cc.

2017 Programming Languages Mentoring Workshop (PLMW) at the International Conference on Functional Programming Travel Award

Presentations

2019 *Reigniting Fuse, an Online Partial Evaluator for Scheme*
Presented at: Scheme Workshop at the International Conference on Functional Programming (ICFP).

2018 *Obsidian in the Rough: A Case Study Evaluation of a New Blockchain Programming Language.*
Presented at: Midwest Programming Languages Summit (MWPLS); Systems, Programming, Languages, and Applications: Software for Humanity (SPLASH) Student Research Competition.

Research Experience

- 2019 Senior thesis with Professor Sam Tobin-Hochstadt, developing a partial evaluator for linklets in the Racket language.
- Summer 2018 **Carnegie Mellon University**, Pittsburgh, Pennsylvania
- Conducted a case study evaluation of a blockchain programming language, Obsidian.
 - Contributed to a new feature of the language as a result of this evaluation.
 - Wrote and presented the work with a student research competition submission and poster.
- Spring 2018 **Indiana University**, Bloomington, Indiana
- Contributed to a current research compiler, Gibbon, which optimizes traversals over tree data structures.
 - Extended the current language from a first order language to a higher order language.
 - Wrote a final report summarizing the work, citing the primary resources found and used.

Work Experience

- 2016-2018 **Indiana University**, Bloomington, Indiana
IU Peer Coach
- Assisted all students with registering, scheduling, and planning classes.
 - Held 8-10 appointment and drop-in hours to provide support for students one on one.
 - Organized degree-planning workshops to help inform and prepare incoming students.
- Summer 2017 **JPMorgan Chase & Co**, Chicago, Illinois
Tech Analyst Intern
- Learned about various software development tools and the SDLC.
 - Refactored an existing application to prepare it for cloud deployment.
 - Recreated the user interface into a portable widget.

Teaching

- Spring 2019 Introduction to Computer Science
- Fall 2018 Programming Languages & Mapping Your Future
- Spring 2018 Dependent Types
- Fall 2017 Programming Languages
- Spring 2017 Introduction to Computer Science, making [instructional videos](#).
- Fall 2016 Introduction to Computer Science
- Spring 2016 Introduction to Computer Science

Service

- 2018 Organizational Committee for Opportunities for Undergraduate Research in Computer Science (OurCS), held at Indiana University in 2018.
Also served on a student research panel.
- 2018 Student Volunteer at the International Conference on Functional Programming (ICFP).

Skills

Racket • Agda • Haskell • Java • Python

FOREIGN LANGUAGES

Russian