

Christopher Jenkins

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Date of Birth	1990 Dec 25	Email	christopher-jenkins@uiowa.edu
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Higher Education

Aug 2017 - Present **University of Iowa**, Iowa City, IA
Ph.D. in Computer Science, advised by Dr. Aaron Stump
GPA: 4.17 / 4.00

Aug 2009- May 2013 **Trinity University**, San Antonio, TX
B.S., *magna cum laude*
Major: Computer Science (with honors), Minor: Mathematics
GPA: Overall: 3.84, Major: 3.94, Scale: 4.0

Research Experience

Aug 2017- Present **University of Iowa**
Graduate Research Assistant to Aaron Stump

Jun-Jul 2011 **University of Wisconsin at Oshkosh**
REU, advised by David Furcy, NSF Award: 0851569

Publications

Journals

- **An effective educational module for Booth's multiplication algorithm**
Christopher Jenkins, Adam Voss, and David Furcy. 2012. J. Comput. Sci. Coll. 27, 4 (April 2012), 54-62.

Dissertations

- **Toward a Parallel Implementation of J: Data Parallelism in Functional, Array-Oriented Languages with Function Rank**
Jenkins, Christopher. 2013. Computer Science Honors Theses. 30.
https://digitalcommons.trinity.edu/compsci_honors/30

Academic Honors

Undergraduate

- **Charles Babbage and Ada Lovelace Award** (2013), awarded by Trinity University Department of Computer Science

Grants and Fellowships

Undergraduate

- **Mach Fellowship Award** (2013), awarded by Trinity University

Other Education

- Oct 2016** **Coursera / Ecole Polytechnique Federale de Lausanne**, online course
Earned certificate for “Functional Program Design in Scala”
- Jan 2016** **edX / Delft University of Technology**, online course
Earned certificate for “FP101x: Introduction to Functional Programming in Haskell”
- Jun 2014** **University of Oregon**, Eugene OR
Attended the Oregon Programming Languages Summer School

Industry Experience

- Jul 2015 - Jul 2017** **Parlevel Systems, Inc**, 112 E Pecan St, San Antonio, TX 78205
Lead Embedded Systems Software Developer
Parlevel Box (ARM-based telemeter for vending machines running customized F9 microkernel)
- Jun 2013 - Jul 2015** **Genesi USA, Inc**, 2600 Virginia Avenue, NW, Washington, D.C. 20037
Embedded Systems Software Developer
Slimbook (ARM-based netbook running customized Ubuntu)

Software

- **GitHub:** github.com/serendependy
- **agda-harper-pfpl** Verified typing rules, reduction rules, and proofs, for some languages in “Practical Foundations for Programming Languages” (Agda)
- **agda-bidir-inf** Type-checker for STLC + recursive types using bidirectional type inference (Agda)
- **J-in-Agda** Encoding in dependent types the type system of J (APL-family language) (Agda, incomplete)
- **baseconvert** CLI tool for arbitrary base conversion (Haskell)

Referees

Name Dr. Aaron Stump
University University of Iowa
Position Professor
Contact aaron-stump@uiowa.edu

Name Dr. Berna Massingill
University Trinity University
Position Associate Professor
Contact bmassing@cs.trinity.edu

Name Dr. Mark Lewis
University Trinity University
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Contact mlewis@trinity.edu

Name Dr. Paul Myers
University Trinity University
Position Professor, Department Chair
Contact pmyers@trinity.edu