

# Joomy Korkut

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<http://cattheory.com>

- PERSONAL    ♦ Interests: functional programming, web development, programming languages theory, linguistics, modern history, accordion.
- ♦ GitHub: <http://github.com/joom>
- EDUCATION   ♦ **Wesleyan University**, Middletown, CT
- B.A., Majors: *Computer Science* and *Mathematics*. May 2017, GPA: 3.60
- (expected) M.A., *Computer Science*, September 2017 - May 2018
- ♦ **TEV Inanc Turkes High School for Gifted Students**, Kocaeli, Turkey
- IB Diploma, July 2013
- WORK        ♦ **Research in the Sciences Fellow**, Wesleyan University (May 2016 - August 2016)
- EXPERIENCE   Formalized the compilation of the modal logic based functional language MinML5 to JavaScript, in *Agda*, with Prof. Daniel R. Licata.
- ♦ **Student Leader**, Wesleyan University (Fall 2015)
- Designed and taught a [course on Haskell](#) for credit, under supervision of Prof. James Lipton.
- ♦ **Research in the Sciences Fellow**, Wesleyan University (May 2015 - August 2015)
- Formalized the correctness and termination proofs of a regular expression matching algorithm using continuation passing style, in *Agda*, with Prof. Daniel R. Licata.
- ♦ **Course Assistant**, Wesleyan University (September 2014 - December 2016)
- Graded assignments and led tutor sessions for the following courses: Computer Science II, Design of Programming Languages, Computer-Checked Programs and Proofs, Automated Theorem Proving, How to Design Programs.
- ♦ **Web Editor**, Wesleyan Argus Newspaper, Wesleyan University (January 2014 - April 2015)
- Maintained and optimized 1k per day traffic WordPress system of the newspaper. Designed and coded a [custom WordPress theme](#).
- ♦ **Programming Specialist**, Instructional Media Services, Wesleyan University (September 2013 - May 2015)
- Developed an advanced [special events calendar](#) by myself, which is still in use.
- SKILLS       ♦ Functional programming (Haskell, Standard ML, Agda, Idris, Coq etc.), web development (JavaScript, HTML, CSS etc.), scripting languages (Python etc.), Prolog,  $\text{\LaTeX}$
- ♦ Other: Comfortable with Unix env., NoSQL databases and Git
- LANGUAGES   ♦ English (fluent), Turkish (native), Russian (intermediate)
- AWARDS      ♦ 1st Place, WesHack 2014, Designed and coded the [front-end](#) of a [food-ordering application](#).
- RESEARCH   ♦ [“Thinking Outside the Box: Verified Compilation of ML5 to JavaScript”](#), Senior thesis, 2017. Advisor: Daniel R. Licata.
- ♦ [“Intrinsic Verification of a Regular Expression Matcher”](#), with Maksim Trifunovski and Daniel R. Licata. 2016.
- OTHER       ♦ Attended OPLSS 2017, DeepSpec Summer School 2017, ICFP 2017.