

Keely Hicks

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EDUCATION

Rhodes College, Memphis, TN

May 2016

B.S. in Computer Science, Mathematics Minor

Rhodes College Computer Science Award Recipient, 2015-2016

Aquincum Institute of Technology, Budapest

Spring 2015

Spring Semester Abroad for Computer Science

Technical Coursework:

- Object Oriented Programming: C++
- Algorithms and Data Structures
- Advanced Algorithms
- Mobile Software Development: Android
- Programming Languages
- Operating Systems

Programming Languages:

- Proficiency in: Java, Python, C++, Racket, UNIX Command Line
- Familiarity with: C, JavaScript, HTML
- IDE: Eclipse, IDLE, Visual Studio, GitHub

PROJECTS

- **Migraine Tracker:** Developing an Android app to track migraines, food, and weather using three different views, Sugar ORM, and the open weather API. Current APK available on the play store [here](#).
- **Tiger Language Compiler:** Developed a compiler for the Tiger language through lexical analysis, parsing, semantic analysis, activation records, intermediate code generation, and instruction selection.
- **Racket Interpreter:** Developed an interpreter for the Racket language in Java.

EXPERIENCE

Snowden School, Teacher, Spring 2016

- Educational research project to study the effects of teaching young children coding skills
- Taught two fifth grade classes basic coding skills using Scratch

Camp Codette, Counselor, Rhodes College, Summer 2015

- Conducted educational research on under-represented groups in the STEM fields
- Taught middle-school girls Scratch, App Inventor, and other CS fundamentals
- Funded by Google IgniteCS Grant

Rhodes College Math and Computer Science Dept, Student Worker, Fall 2012-May 2016

- Arrange for speaker events
- Aid in office support such as making copies and other clerical work

Women in Computing Club, Rhodes College, Fall 2013-May 2016

Secretary, Fall 2014

- Sent out bi-weekly emails with updates and meeting times

Co-President, Spring 2013

- Organized conference trips and planned weekly meetings