

# Sam Beckmann

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| Education            | The University of Tulsa, Computer Science and Mathematics – Graduating May 2018<br>GPA: 3.95   |
| Experience           | <p>IS Technical Intern, Edward Jones – Summer 2016</p> <p>Took projects through design, development, QA, and deployment.</p> <p>Multithreaded mainframe data-fetching process for over 150% speedup.</p> <p>Brought legacy applications up to date with modern automated testing technology.</p> <p>Worked with J2EE, IBM MQ, JUnit, and an enterprise tech stack.</p> <p>Mentored team members to share knowledge and solutions I had researched.</p> <p>Software Engineering Intern, BacterioScan – Summer 2015</p> <p>Analyzed and implemented solutions to various hurdles to production in an ISO certified environment.</p> <p>Managed issue tracking and QA testing for hardware and software through Jira.</p> <p>Researched and solved communication issues from embedded devices to Windows.</p> <p>Undergraduate Artificial Intelligence Research - Under Dr. Sandip Sen</p> <p><i>Obriareus</i> and <i>Parity</i> - Test environments built for AI and machine learning research.</p> <p>Presented AI research at the OK / AR chapter of MAA conference in 2015.</p> |
| Projects             | <p><i>ClockHUD</i> and <i>Network</i> - Modifications to <i>Minecraft</i> with over 35,000 downloads.</p> <p><i>Paper</i> - C compiler for a subset of Pascal. Made for class in Fall 2016.</p> <p><i>samvbeckmann.com</i> - Static website to host a blog and projects, made with Jekyll.</p> <p><i>Fluffy Spork</i> - Emoji translator, placed second at TU ACM 24 hour hackathon, 2015.</p> <p><i>Pixlatr</i> - Android pixel art app, placed third at TU ACM 24 hour hackathon, 2016.</p> <p>Participated in several <i>Code Across</i> civic hackathons with Code for Tulsa.</p>  |
| Skills               | <p>Proficient in Java, C, Python, Lisp, Mathematica, Git, Linux, and Windows.</p> <p>Some experience with Swift, Regex, J2EE, Javascript, CSS, HTML.</p> <p>Non-major skills: Illustrator, Photoshop, After Effects, Premiere Pro, Audition.</p>   |
| Extra-Curricular     | <p>Lead organizer of TEDxUniversityofTulsa, an independently organized TED event.</p> <p>President of ACM SIGGRAPH - University of Tulsa chapter.</p> <p>Operations chair for ACM - University of Tulsa chapter.</p> <p>Officer of Mathematical Association of America - University of Tulsa chapter.</p> <p>Competed at the International Collegiate Programming Competition regional round.</p> <p>Writer, graphic designer, and podcast producer for <i>The Collegian</i> student newspaper.</p>  |
| Selection of Courses | <p>Fundamental Algorithms, Data Structures, Operating Systems, Compiler Construction, Artificial Intelligence, Advanced Artificial Intelligence, Social Media Analysis, Numerical Methods, Advanced Calculus, Embedded Systems in C.</p>   |