

Sam Beckmann

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- Education** [The University of Tulsa, Computer Science and Mathematics – Graduating May 2018](#)
GPA: 3.97
- Experience**
- [Software Development Engineer Intern, Amazon – Summer 2017](#)
Developed an internal tool to help managers track employee attendance automatically. Performed full-stack development using AWS technologies EC2, S3, and DynamoDB. Managed project from design to launch, plus deployed multiple features post-launch. Wrote and tested a secure Spring MVC application to safeguard employee information. Participated in and contributed to departmental skill development workshops.
- [Information Systems Technical Intern, Edward Jones – Summer 2016](#)
Took projects through design, development, QA, and deployment. Multithreaded mainframe data-fetching process for over 150% speedup. Mentored team members to share knowledge and solutions I had researched. Presented projects and processes to senior leadership within the company.
- [Software Engineering Intern, BacterioScan – Summer 2015](#)
Implemented solutions to production challenges in an ISO certified environment. Managed issue tracking and QA testing for hardware and software using Jira. Researched and solved communication issues from embedded devices to Windows.
- [Undergraduate Artificial Intelligence Research - Under Dr. Sandip Sen](#)
"Gesture-Based Control of Autonomous UAVs" - Extended abstract published at Autonomous Agents and Multi-Agent Systems (AAMAS) 2017
Presented AI research at the OK / AR chapter of MAA conference in 2015.
- Projects**
- ClockHUD* and *Network* - Modifications to *Minecraft* with over 80,000 downloads.
Paper - Pascal compiler in C. Made for compiler construction class in fall 2016.
samvbeckmann.com - Static website to host a blog and projects, made with Jekyll.
whatsmyvoteworth.com - Interactive D3 data visualization about the weight of votes across the US. Placed First at TU ACM 24 hour code-jam, 2016.
Statblock Shop - Pure Javascript web app to create Dungeons & Dragons stat-blocks.
- Extra-Curricular**
- TEDxUniversityofTulsa organizer, an independently organized TED event - 2015, 2016
President of ACM SIGGRAPH - University of Tulsa chapter - 2016
Operations Chair of ACM - University of Tulsa chapter - 2016
Competed in International Collegiate Programming Competition regionals - 2015, 2016.
- Skills**
- Proficient in Java, Spring, J2EE, C, Python, Mathematica, Git, Linux, JUnit, DynamoDB. Some experience with Swift, regex, lisp, Javascript, CSS, HTML, D3.
- Selection of Courses** Machine Learning, Social Media Analysis, Artificial Intelligence, Advanced Artificial Intelligence, Operating Systems, Compiler Construction, Embedded Systems.