

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 - Present](#)
Developed an internal tool to help managers track employee attendance automatically.
Performed full-stack development using AWS technologies EC2, S3, and DynamoDB.
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.
Brought legacy applications up to date with modern automated testing technology.
Worked with J2EE, IBM MQ, JUnit, and an enterprise tech stack.
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
AAMAS 2017
Presented AI research at the OK / AR chapter of MAA conference in 2015.
- Projects** *ClockHUD* and *Network* - Modifications to *Minecraft* with over 45,000 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.
- 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
Officer of Mathematical Association of America - University of Tulsa chapter - 2016
Competed in International Collegiate Programming Competition regionals - 2015, 2016.
- Skills** Proficient in Java, Spring, C, Python, Lisp, Mathematica, Git, Linux, JUnit, DynamoDB.
Some experience with Swift, regex, J2EE, Javascript, CSS, HTML, D3.
- Selection of Courses** Machine Learning, Social Media Analysis, Artificial Intelligence, Advanced Artificial
Intelligence, Operating Systems, Compiler Construction, Embedded Systems.