

Aditya Aggarwal

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EDUCATION

University of Southern California, B.S. & M.S. Computer Science Summer 2019, GPA: 3.52 (UG) 3.7 (G) (4.0 scale)

- Coursework: (Graduate) Algorithms, Computer Simulation and Animation, Deep Learning, (Undergrad) Operating Systems, Pro. C++, Machine Learning, Computer Graphics, Data Structures, Mechanics
- National Merit Presidential Scholarship, University of Southern California February 2015 - Present
- Kleiner Perkins Engineering Fellows Finalist, Nov 2016 & 2017

EXPERIENCE

SAP Ariba Software Engineer (Summer Intern)

May 2017 – August 2017

Skills: **Javascript, Chatbots** (wit.ai, IBM Watson, api.ai, etc.), **Front End** (Angular, Gulp, SASS), NodeJS, JAX-RS

- Made a prototype chatbot based on IBM Watson, used for enhancing the process of filling out transaction forms on Ariba's products with features such as supplier recommendations based on external shipping data
- Ranked top technical undergrad intern in final recap presentations in SAP Palo Alto (out of 50+ interns) ([presentation link](#))
- Initiated and carried out project to create a [starter's guide](#) on Ariba for interns
- Guide reached C-level leadership and is now being used to familiarize new hires with Ariba's culture.

GE Digital Software Engineer (Summer Intern)

June 2016 – August 2016

Skills: JAVA, Jelly, Jenkins, **JAVA Servers** (Spring Boot, Maven, Cloud Foundry), **Code Analysis** (PMD)

- Optimized code for a Jenkins Plugin which integrates GE's internal record keeping service by $\frac{1}{3}$ and decreased running time by 75%
- Wrote documentation to explain structure for future knowledge transfer as project was deployed to production
- Ranked as one of 3 top interns for extending a return offer (100 interns total)

PROJECTS

Can Machines Color in 3D (Graphics & ML Research Project)

September 2017 - December 2017

Skills: **Deep Learning** (GANs, Style Transfer, TensorFlow, numpy, matplotlib), **Graphics** (Voxelizing Data & Projections, vispy)

- Led team of 3 graduate students in employing style transfer and GANs to automatically color 3D geometry
- Initiated collaboration with external researcher to further improve team's results
- Described progress in a [blog](#) and presentation in a class of 100+ master's and 69 PhD candidates

Glia Mental Health (Anonymous counseling by chat app non profit)

December 2014 - May 2017

Skills: **Front End** (jQuery, BackboneJS, React Native), **UX Design** (FramerJS, Sketch, Illustrator)

- Interviewed 20+ psychiatrists, school counselors, college students, mental health influencers, and academics
- Went through 100+ iterations of designs for identity design, pitch decks, and UX of web and mobile apps

Stanford FSI Children in Crisis

April 2014 - August 2014

Skills: **Android** (Gradle, JAVA, XML, etc.)

- Prototyped Android app (front end and SQLite Database), used to digitized community health checkups to prevent malnutrition in children in Guatemala (serves 1500 children)
- Flew down to Guatemala for 10 all-day user feedback and iteration cycles

SKILLS (More Skills Listed Under Each Project and Work Experience)

Languages (C/C++, Python, JAVA, JS), **Misc. SWE** (Mongo/Express, Testing), **Graphics** (OpenGL, Maya Autodesk, Houdini, (used Unity, After Effects)), **Data Science** (MATLAB)