

NAEEM QUDDUS

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EXPERIENCE

Oculus VR - Meta

Software Engineer

May 2017 - June 2018

Menlo Park, CA

- Position: Software Engineer on the Oculus Mobile App Team
- Helped to build and release the companion app for Oculus Go and Oculus Quest on iOS and Android. Worked full stack on mobile pairing user flow and bluetooth pairing protocols. Implemented Oculus mobile GDPR compliance.

Oculus VR - Meta

Software Engineering Intern

May 2016 - August 2016

Menlo Park, CA

- Position: Software Engineering Intern on the Developer Platform team
- Redesigned and implemented a new navigation system for the Oculus developer dashboard website. Worked with designers and content strategists to create a new user experience. Created a rich text editor to allow developers to write formatted descriptions.

Bloomberg LP

Software Engineering Intern

May 2015 - August 2015

New York City, NY

- Position: Core Financial Intern on the Mortgage Development team
- Designed and created new system to handle workflows for individuals. System designed to automatically generate, assign, and monitor progress of work items in real time. Helps streamline triage and work blockage analysis for project leads. Abstracted interface to allow for new projects and workflows to be added smoothly.

Indeed.com

Software Engineering Intern

May 2014 - August 2014

Austin, TX

- Position: Intern on the Aggregation team
- Programmed a service to query information from Twitter to find possible job application pages. Wrote and trained a naive bayesian classifier to parse the html content of candidate pages and classify pages, filtering out 98% of undesired pages.

PROJECTS

Radiosity Global Illuminator

- Implementation of a rendering algorithm generating scenes with global illumination. Divides a given environment into discrete polygons which radiate light until color convergence.
- Ray based communication based off of a previously written c++ Ray Tracer.

Cloth Simulator

- Implementation of *Large Steps in Cloth Simulation* by Baraff and Witkin and *Robust Treatment of Collisions, Contact and Friction for Cloth Animation* by Bridson et al.
- Cloth internal dynamics implemented through implicit time integrator on differentiated energy conditions.
- Collisions prevented by inelastic impulses and spring based repulsion forces and detected by axis aligned bounding volume hierarchy.

EDUCATION AND ACCOMPLISHMENTS

University of Texas, Austin

B.S. in Computer Science · Turing Scholars Honors Program

Overall GPA: 3.85

May 2017

Competitive Programming

- Member of UT's International Collegiate Programming Contest team at South Central Regional *October 2014*
- **1st Place** Google Games Austin *April 2015*
- **2nd Place** Microsoft Coding Challenge *September 2015*

TECHNICAL STRENGTHS

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|-------------------|-------------------------------------------|
| Proficient | Java, Python |
| Familiar | C/C++, React.js, Bash |
| Tools | Git, Travis CI, Vim, Guice, GraphQL/Relay |