

Siddharth Shukla

SOFTWARE ENGINEER · FULL STACK WEB DEVELOPER

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"Do, or do not. There is no try."

Education

Jacobs University

Bremen, Germany

B.Sc. IN COMPUTER SCIENCE

Aug. 2013 - PRESENT

- Specialization in Databases, Web Applications, Robotics, Autonomous Systems, Machine Vision, and Image Processing
- Expected to graduate in January 2017.

Skills

Programming Proficient: Python, Ruby, JS, Git, SQL, HTML, CSS. Experienced: Java, Scala, PHP, C++, Standard ML, Tex, Perforce
Languages Native: English, Hindi. Basic: German

Experience

Google Inc.

Mountain View, CA

GSOC STUDENT

May 2016 - Aug. 2016

- Worked on the Python library for GRPC - an open source RPC system.
- Studied different implementations of Python and how they differ from the reference implementation.
- Added Support for Python 3.x and PyPy for GRPC Python and ensured product stability over transition from Beta to General Availability.

Large-Scale Scientific Information Systems Group

Bremen, Germany

UNDERGRADUATE GUIDED RESEARCH ON PYTHON INTEGRATION FOR RASDAMAN

Sep. 2015 - May 2016

- Researched means of retrieving data from remote Rasdaman databases over RPC in a simple fashion.
- Implemented prototype that enables generation of RasQL queries from NumPy algorithms and client-side execution of arbitrary RasQL queries on the server.

Stanford Crowd Research Collective

Stanford, CA

MEMBER

Dec. 2015 - May 2016

- Conducted research on an optimal solution for the microworking landscape along with a diverse research team around the globe.
- Contributed to the devops and features of a Django and Angular.js based web application in the research engineering team.

Jacobs University

Bremen, Germany

TEACHING ASSISTANT

Sep. 2015 - Jan. 2016

- Created and graded assignments and examinations, conducted code reviews, helped weak students grasp the coursework.

Dolby Laboratories Inc.

Nuremberg, Germany

SOFTWARE ENGINEERING INTERN

Mar. 2015 - Sep. 2015

- Worked on a data visualization heavy web application to visualize performance metrics over a variety of hardware for each commit in a project.
- Architected and developed the architecture for a customizable visualization dashboard using D3.js and Angular.js
- Lead to company wide adoption of the product enabling project managers to keep track of their project growth on a continuous basis.

Co-curricular Activity

jacobsHack!

Bremen, Germany

LEAD ORGANIZER / IT DIRECTOR

May 2016 - PRESENT

- Managed the IT operations and infrastructure for the hackathon.
- Dealt with fundraising, event management, and event logistics for jacobsHack! Fall 2016.

C.S. Club @ Jacobs

Bremen, Germany

CO-DIRECTOR

Sep. 2015 - PRESENT

- Ran talks on database systems, programming languages, web development frameworks, version control, software engineering ethics, etc.

Honors & Awards

2015 Winner, HackTBILISI Fall 2015

Tbilisi, Georgia

2016 Winner, Jacobs Startup Competition

Bremen, Germany