

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, Autonomous Systems, and Image Processing
- Expected to graduate in January 2017.

Skills

Programming

Proficient: Python, Ruby, JS, SQL **Experienced:** Java, Scala, C, C++, PHP, Standard ML

Tools

Proficient: Git, Vim, Vagrant, GRPC, Protobuf **Experienced:** Perforce, Docker, Chef, Postgres, MongoDB, Riak, Neo4J

Languages

Native: English, Hindi. **Basic:** German

Experience

Google Inc.

Mountain View, CA

SUMMER OF CODE @ GRPC

May 2016 - Aug. 2016

- Studied different implementations of Python and how they differ from the reference implementation in context of GRPC Python.
- Added and tested support for Python 3.x and PyPy, 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 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 FOR DATABASES AND WEB APPLICATIONS SPECIALIZATION

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

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

C.S. Club @ Jacobs

Bremen, Germany

CO-DIRECTOR

Sep. 2015 - PRESENT

- Managed an open source collective to work on projects pertaining to improving university life for students and faculty.
- Ran talks on databases, languages, frameworks, tools, operating systems, and software engineering ethics.

Honors & Awards

2016 **Finalist**, Copenhacks Spring 2016

Copenhagen, Denmark

2015 **Winner**, HackTBILISI Fall 2015

Tbilisi, Georgia

2016 **Winner**, Jacobs Startup Competition

Bremen, Germany