

Siddharth Shukla

SOFTWARE ENGINEER · FULL STACK WEB DEVELOPER

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

Education

Jacobs University

B.SC. IN COMPUTER SCIENCE

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

Bremen, Germany

Aug. 2013 - PRESENT

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.

SUMMER OF CODE @ GRPC

- Studied different implementations of Python and how they differ from the reference implementation.
- Added Support for Python 3.x and PyPy to GRPC Python and ensured product stability over transition from Beta to General Availability.

Mountain View, CA

May 2016 - Aug. 2016

Large-Scale Scientific Information Systems Group

UNDERGRADUATE GUIDED RESEARCH ON PYTHON INTEGRATION FOR RASDAMAN

- 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.

Bremen, Germany

Sep. 2015 - May 2016

Stanford Crowd Research Collective

MEMBER

- 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.

Stanford, CA

Dec. 2015 - May 2016

Jacobs University

TEACHING ASSISTANT FOR DATABASES AND WEB APPLICATIONS SPECIALIZATION

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

Bremen, Germany

Sep. 2015 - Jan. 2016

Dolby Laboratories Inc.

SOFTWARE ENGINEERING INTERN

- 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.

Nuremberg, Germany

Mar. 2015 - Sep. 2015

Co-curricular Activity

jacobsHack!

LEAD ORGANIZER / IT DIRECTOR

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

Bremen, Germany

May 2016 - PRESENT

C.S. Club @ Jacobs

CO-DIRECTOR

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

Bremen, Germany

Sep. 2015 - PRESENT

Honors & Awards

- 2016 **Finalist**, Copenhacks Spring 2016
- 2015 **Winner**, HackTBILISI Fall 2015
- 2016 **Winner**, Jacobs Startup Competition

Copenhagen, Denmark

Tbilisi, Georgia

Bremen, Germany