# Jacob Smith

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## *Education*

**Drexel University**                                                                                                          **June 2017**
*Bachelor of Science | Computer Science*
      Concentrations: Data Structures & Algorithms and Operating Systems
      Senior Design Project: Wearable Drug Overdose Detection (Backend: Node.JS, Frontend: Ionic)
**University of Pennsylvania, School of Social Policy & Practice**                          **August 2018**
*Master of Science | Nonprofit Management / Leadership*
      Concentrations: International Non-Governmental Organizations and Group Dynamics
      Projects: Consulted with 4 nonprofits concerning their future growth potentials
      Capstone:  Independent Researcher in the LGBT community in Kolkata, India researching
            attitudes towards a new drug, PrEP, and healthcare discrimination

## *Work Experience*

**Drexel University** | Philadelphia, PA                                                       **March 2014 - June 2017**
*Systems Administrator*
- Responsible for Drexel University's Computer Science Department and administered over 200 servers for use by over 700 faculty, staff, researchers, and students each year
- Initiated and conducted long-term strategic planning through iterative methods testing for 3 server rooms moves, the merger of IT and Computer Science departments' resources, the upgrading hard/software of a 512 TB storage cluster, and eliminated redundancies of 15 extra servers
- Cultivated hundreds of client relationships in order to disseminate updated information and improve problem report rates leading to a 10 times growth in ticket volume
- Architected and built the system running configurations in Ansible to administer at scale and led to an estimated 90% decline in outages resulting from increased stability

**Durbar Mahila Samanwaya Committee** | Kolkata, India                     **May 2018 - August 2018**
Graduate Capstone Project | Independent Researcher
- Designed and conducted a qualitative research study on the effect of PrEP, a new HIV-prevention drug, on the sexual behavior of the members of the LGBTKH community in Kolkata, India
- Developed questionnaires, conducted, coded and analyzed 11 interviews with community members, which culminated into a 24-page report

## *Technical Projects* | (Available for Review on Github: jmiths)
- Project Euler (Technical Problem Solving) - 72 Problems Solved
- Senior Design Project (Best Community Service) - Architected and implemented a server-side approach to the Opioid Epidemic using a Node.JS API and Database Server for Overdose Alerts
- Service Desk Issue Checklist Project - Architected and implemented a Node.JS API and Database Server with 21 unique endpoints to increase accountability among student workers
- Public Interest Project - Data Analysis of White House Staff Salaries as a fun way to learn Python Pandas and analyze just-released data

## *Skills*
- Technology:  Advanced Proficiency: Ansible, Bash, Ceph, Python, Ubuntu
  Proficient: Apache2, Bind9, Docker, Git, HTML, Java, Javascript, MySQL, Nginx, Node.js, PHP
- Design: Videography and Editing, Web Design
- Language: Chinese Language Certificate Exam Level 2, French (Basic Reading and Writing)