

Ajay Singh
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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing
Bachelor of Science in Computer Science

Atlanta, Georgia
August 2013-Present

WORK EXPERIENCE

Lautrec Limited

Farmington Hills, Michigan

Network Administration Assistant

Jan 2016 – Dec 2016

- Supported over 200 computers across country for the largest property management company in Oakland County
- Led project to convert Web Mail service to an innovative solution including migration of 200+ IMAP accounts
- Upgraded over 200 computers to new hardware and operating systems
- Learned multiple networking properties to create ease of access for over 60 properties across the United States

Pathology Dynamics Lab

Atlanta, Georgia

Research Associate Intern

Jan 2015 – May 2015

- Analyzed the G93A Superoxide Dismutase-1 transgenic mouse model of amyotrophic lateral sclerosis
- Spearheaded the development of a comprehensive database of every quantifiable data point that has been published using this mouse model
- Created process improvements in documentation and record keeping by use of excel

Vanderbilt Center for Bone Biology Biomechanics Lab

Nashville, Tennessee

Research Associate Intern

May 2014 – Aug 2014

- Explored the relationship between diabetes and bone strength
- Used μ CT scanning to determine bone properties
- Learned and implemented Raman Micro-Spectroscopy to determine the chemical composition of bones whose collagen content was altered

PROJECTS

Statistically Weighted Aggregate Peer Review (SWAPR)

- Allows for report submissions to be graded by peers with a higher confidence.
- Big Data application with Node.js backend and it's own API.

PullTrend

- Design a python based Twitter app that pulls trending words and creates a word cloud representing the popularity
- Used both Twitter's API and the Tweepy Python Library

SKILLS/INTERESTS

Skills: Python, C++, Java, Solidworks (CAD), MATLAB, Microsoft Office

Organizations: Engineering World Health (Member), Biomedical Engineering Society (Member), Student Hospital Connections (Member), Habitat for Humanity (Member), Soccer Club (Member)

Interests: Data Analytics, Development, Technology Consulting, Computer Building, Personal Devices

Languages: English, Mandarin, Punjabi