Andrew Miller

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EDUCATION

Bachelor of Science in Computer Science
The College of New Jersey, Ewing, NJ
May 2016

SKILLS

- **Proficient:** Java, C/C++, Python, Linux Administration
- **Familiar:** LaTeX, Bash, POSIX Shell

PROFESSIONAL EXPERIENCE

The Associated Press, Cranbury, NJ   Temp Work 2013-2016
Web Scraper
- Monitered official voting sites to obtain realtime voting tallies
- Supervised a team of three web scrapers ensuring deadlines were met
- Total time: 100 hours

American Federation of Labor, Trenton, NJ   2014-2015
Campaign Assistant
- Configured techincal equipment for calling centers
- Managed and inventoried communication equipment
- Interacted with leaders of local labor unions directly

RESEARCH EXPERIENCE

Maximum Parsimony Advance for Native Phylogenetics Stemmatics   2015-2016
- Selected for TCNJ's Mentored Undergraduate Summer Experience program
- Developed phylogenetics software using java to generate maximum parsimony trees
- Solved computationally intensive problems involving big data
- Implemented a branch and bound algorithm to reduce search space
- Reduced execution time from two hours to fifteen minutes

Lab Assistant for TCNJ's OpenStack Cluster Lab   2014-2015
- Maintained server hardware for the computing cluster
- Constructed new servers and performed installations of Red Hat Enterprise Linux

LEADERSHIP

Association of Computing Machinery, TCNJ Student Chapter   2013-2016
- Vice president - Organized meetings, enforced chapter's constitution   2015-2016
- Secretary - Communicated with chapter membership, kept meeting minutes   2014-2015
- Member - Attended meetings and assisted leadership   2013-2014
- Organizer for HackTCNJ   2013-2016
    - Organized a 24-hour coding event for 200 students
    - Contacted interested sponsors to fund the event