

Curriculum Vitae

Axel Haenssen

Infrastructure Operations Analyst/ Manager I – Department of Ecology and Evolutionary Biology
Department of Ecology and Evolutionary Biology/
Princeton Environmental Institute – Princeton University

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Certifications

- Certified ITIL® Version 3 Foundation 2010
- Certificate in Application Development for the Web 2009
- Apple Certified Technical Coordinator (OS X 10.4) 2006
- Apple Certified Helpdesk Specialist (OS X 10.4) 2005
- Red Hat Certified Engineer (Red Hat Enterprise Linux 3) 2003
- HTML Development Course / Web Design 1999

Skills

Management: Enterprise Project- and Infrastructure Management. Strategy Development, Solution Design and Service Execution. Academic Linux Systems and Applications, Software Development, Cluster Computing, Web Development.

Linux and Apple Server Administration: Dell PowerEdge and Apple Xserve. Apache, DNS, Sendmail, Postfix, Mailman, FTP, SSH, SSL Certificates, VNC, file sharing (SMB, AFP, NFS), LDAP, MySQL/ PostgreSQL Database Administration, Security Audits, Authentication- and Authorization Management, Power- and Data Backups.

Web Application Development: HTML, CSS, PHP, Python, Java and Javascript.

Collaboration Tools: Microsoft SharePoint, Joomla Content Management System, Microsoft Office, -Project and related tools.

Work Experiences

2008 – Present Princeton University Princeton, NJ

Department of Ecology and Evolutionary Biology/ Princeton Environmental Institute

Infrastructure Operations Analyst/ Manager

- Supervision of two Technicians.
- IT Project Management: Responsible for Networks, Clients, Servers, Services and Satellite Internet access for Field Stations in Africa, Central America and the US.
- Initiated the combination of EEB and PEI support personnel into one support group.
- Web Application Development: Create and maintain database web interfaces and predefined queries for MySQL/ PostgreSQL data bases.
- Microsoft SharePoint collaboration solutions for Administration and Academic Workgroups.
- Close Collaboration with OIT to establish the first 10 Terabyte Storage Solutions for Prof. D. Sterns Laboratory.
- Setup, administration and maintenance of a growing number of Graphical Processing Units.
- Cost/ Benefit Analysis for IT Infrastructure and Services.

2003 – 2008 Princeton University Princeton, NJ
Department of Ecology and Evolutionary Biology
Infrastructure Operations Specialist

- Systems Administration of 8 x Multi CPU Dell PowerEdge Linux Servers providing number crunching, file sharing, PostgreSQL, Websites and Backup capabilities.
- Administered a 12 Node Teaching Cluster (Linux) for the Burroughs Welcome Fund, collaboration between Prof. Levin (EEB) and John Hopfield (Molbio). The cluster was centrally managed with one dedicated server.
- Spent 6 Month at the Smithsonian Tropical Research Institute for a Database Project with Prof. Martin Wikelski. Led a team of 2 Database Programmers, 2 Remote Sensing Engineers and 2 local Technicians to establish the Automated Radio Telemetry System (ARTS). The System covers an entire Island in the Panama Canal with 6 Radio Towers, a Local Area Network and a database server on location with replication to Princeton.
- Responsible for the EEB Teaching Laboratories. Created Teaching Support Tools on Apple Web Server (Term paper uploads).
- Build and maintain Websites for Department, Laboratories and Individuals.

2000 – 2003 Princeton University Princeton, NJ
Department of Ecology and Evolutionary Biology
UNIX Systems Administrator

- Build, designed and operated Beowulf Linux Cluster with 18 Nodes for Carbon Cycle Modeling. Total Systems Value \$45,000.
- Supported Faculty and Postdoctoral Research Fellows with Linux Workstations and Laptops.
- Assisted Customers with BASH scripting and automation issues.

1999 – 2000 Littlewoods Office Systems Hamilton, NJ
IT Network Engineer

- Preparation, Setup, Troubleshooting and Maintenance of Client/ Server Solutions (Windows 98, Windows 2000, Windows NT, Novel Netware) for the Financial Industry.

Presentations

- 2006 Lunch 'n Learn Spring 2006 – Academic Computing
<http://www.princeton.edu/~eos/popups/s2006/tracking.html>

Languages

English (fluent), German (fluent), French (reading).

Education

2009	University of Applied Sciences - Ostfalia <i>Diplom Sozialarbeiter/ Sozialpaedagoge (B.S.)</i>	Braunschweig/ Germany
2006/2007	University of Nebraska at Omaha Fulbright Scholarship	Omaha, Nebraska

Interests

- Boating, Flying, Fishing, Hiking and Scuba Diving.