Edward Hurtig

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@EdHurtig

EDUCATION

Northeastern University, College of Computer and Information Science Boston, MA — May 2018
Bachelor of Science in Computer Science. (GPA 3.5)
Concentration in Cybersecurity.
Honors: Northeastern University's Deans List Fall 2013, Fall 2016
Activities: SpaceX Hyperloop Pod Competitions, ACM, NU Hacks

TECHNOLOGIES

Programming Languages / DSLs:
Core: C, Swift, Python
Familiar: Ruby, Java, C++, Go, PHP, JS, HTML, CSS, SQL

Software & Operating Systems:
UNIX/POSIX, Git, Chef, MySQL, Filemaker
macOS, Ubuntu, CentOS, Mesos, Docker, VMWare, AWS, and OpenStack

WORK EXPERIENCE

APPLE CORE DARWIN *Core OS Software Engineer*   (2x Co-Ops + Full Time)   2016 - PRESENT
- Apple Silicon Open Brand UNIX Conformance & Certification for macOS Big Sur
- Automation of several high impact workloads to enable CI/CD workflows and catch regressions early.
- Supported kernel development workflows and hardware bringup with custom automation tools
- Designed and implemented an export interface for LLVM profiling data.
- Integrated protocols that enabled reliable data transfer over unreliable mediums to eliminate errors.

EVERTRUE *Devops Engineer*   (Co-Op)   2015
- Developed chef cookbooks to provision Spark, Jenkins, NTP, and Logstash servers
- Researched, provisioned, and implemented Apache Mesos cluster with Docker support
- Implemented a centralized and horizontally scalable logging cluster provisioned by chef

TOWN OF SUDBURY INFORMATION SYSTEMS *Lead Developer*   (Part-Time)   2012 - 2018
- Developed municipal CMS System that runs the next generation of Sudbury's Web Services.
- Consulted on the town's technology infrastructure including core server systems
- Brought Ubuntu Linux to power new projects, including Jira, Jenkins, NGINX & Selenium
- Trained interns for Web Development, Computer Management and Deployment tasks

LINCOLN-SUDBURY REG. HIGH SCHOOL *A/V Specialist*   2013 - 2015
- Oversaw all aspects of theatric events including stage lights, sound, and house management
- Worked with event planners and hosts to fill their technical event management needs

PROJECTS

OPENLOOP & PARADIGM HYPERLOOP *Team Co-Lead, Software & Controls Lead*   2015 - 2018
Designed and implemented a RealTime controls system for a prototype Hyperloop pod
Influenced mechanical & electrical design to improve reliability, testability, safety, and feasibility

CCIS OPEN CLOUD *CCIS Crew Project - Project lead*   2014 - 2015
OpenStack Cloud for Northeastern Students, Faculty, and Staff.

PERSONAL VMWARE LAB *Personal Project - Systems Administration & DevOps*   2012 - 2018
Windows/Linux Cluster, DNS, Active Directory, Chef, Full Web Stack, MySQL, SSH Tunneling

THE WORDPRESS PROJECT *Volunteer Contributor*   2011 - 2014
Patches in Wordpress Core, Contributions to WordPress REST API

CCIS UNDERGRADUATE EXPERIMENTAL SYSTEMS GROUP (CREW) *Officer*   2014 - 2015
Led Digital Display System Server Project & The CCIS Open Cloud Project.