JULIAN C. HIRN

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Seeking Security / Cloud / Software Dev Opportunities starting in January 2021

EDUCATION

Northeastern University, Khoury College of Computer Sciences   [Sept 2016 - Expected Dec 2020]

Bachelor of Science in Computer Science, Concentration in Cyber Operations
GPA: 3.73/4.0, Dean's List All Semesters, NSA Accredited Program (CAE-CO)
Courses: Software Vulnerabilities, Network Security, Wireless Networks, Object Oriented Design, Algorithms

TECHNICAL KNOWLEDGE

Languages	Go, Python, JavaScript, Java, C
Platforms & Integration	AWS (core and serverless services), Terraform, Jenkins, MySQL, Splunk
Development	Git, React, Flask, Express, MySQL, Spring Boot, JUnit, Thymeleaf, Play2

WORK EXPERIENCE

Security Architect Co-op – **Boston Consulting Group** – Boston MA   [July – Dec 2019]

- *Designed, developed and launched a fully serverless Cloud Security assessment tool for identifying, auditing and remediating misconfigured resources across accounts in a multi-cloud environment*
- *Performed application security assessment and vulnerability remediation with static and dynamic analysis tools on main application interface for business-critical ML software*

Software Engineering Co-op – **SmarterTravel (a TripAdvisor company)** – Boston MA   [July – Dec 2018]

- *Built new pages and enhanced functionality of flight deal aggregator and content-driven marketing website leading to an increase in revenue of $300,000 per year*
- *Managed versioned releases and deployments using Jira and Jenkins. Ensured code quality with JUnit tests and established manual and automated testing procedures with the QA team*

Computer Systems Teaching Assistant – **Northeastern University** – Boston MA   [Jan - May 2018 & 2019]

- *Taught students core concepts of computer systems, algorithms and data structures during office hours and provided guidance and graded assignments for Linux shells, file systems, memory allocators and more*

Full Stack Software Developer Intern – **APrivacy** – Hong Kong, Hong Kong SAR   [May – July 2017]

- *Built web app to manage and audit user groups and messaging data with AngularJS, Play2 and MySQL*

PROJECTS

Cloudcrackr – Go, Docker, AWS (ECS, ECR, EC2, S3)   [Summer 2020]

- *CLI based cloud orchestration security tool for cracking password hashes with user defined images*
- *Convenient, parallelizable and cost efficient solution for penetration testing and hacking competitions*

Py-waf – Python, Flask   [March – April 2020]

- *Customizable WAF that prevents XSS (Reflected & Stored) and SQLi with accuracy of over 99.7%*
- *Acts as Reverse Proxy to enforce rate limiting, credential strength and secure HTTP headers*

PERSONAL

Citizenships	*France, Finland*
Languages	*Native: French, Swedish, English. Intermediate: Mandarin. Beginner: Spanish*
Cities lived	*Stockholm, Shanghai, Hong Kong, Boston*
Interests	*Language Learning, Squash, Rock Climbing, CTF, Tennis, Guitar,*