JULIAN C. HIRN

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EDUCATION

Northeastern University   [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, Object Oriented Design, Algorithms, Network Security, Wireless Networks

TECHNICAL

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 on monetized flight deal aggregator and marketing website leading to an increase in revenue of $300,000 per year*
- *Managed releases and deployments with version control, using Jira and Jenkins. Ensured code quality with JUnit tests and by working directly with QA team to outline plans for manual and automated testing*

Computer Systems Teaching Assistant – **Northeastern University** – Boston MA   [Spring 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 and memory allocators*

Full Stack Software Developer Intern – **APrivacy** – Hong Kong, Hong Kong SAR   [May – July 2017]
- *Planned, designed and created new pages of a web app to manage hierarchical group memberships and audit messaging data with AngularJS, Bootstrap, Play2 and MySQL*

PROJECTS

Cloudcrackr – Go, AWS (Docker, ECS, ECR, EC2, S3)   [Summer 2020]
- *CLI based cloud infrastructure orchestration security tool for password hash cracking*
- *Convenient, parallelizable and cost efficient solution for penetration testing and hacking competitions*

Py-waf – Python, Flask   [March – April 2020]
- *Customizable Reverse Proxy style WAF that detects and prevents XSS (Reflected & Stored) and SQLi*
- *Additional features include rate limiting, credential strength validation and enforces secure HTTP headers*

PERSONAL

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