Benjamin Greene

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I am a curious and enthusiastic developer. I love applying CS coursework to linguistics and cybersecurity problems; coding tools to solve other problems is really satisfying. Tinkering, both physically and in code makes me tick. I enjoy making esoteric languages, and on my github, you can find **backpackr**, a language I made.

Relevant Skills

Language
- Proficient in Spanish and Russian

Programming
- Python, C, Java
- Scheme, Bash, LaTeX, PostgreSQL
- Scrum, continuous integration
- Git, test-driven development

Other Skills
- Creative 3D printing and physical prototyping
- Significant experience with Kali Linux
- Formal training in book preservation, repair, and archiving
- Formal training in typesetting, printing, and metalsmithing

Links
- LinkedIn: benjaminkgreene
- Git: alcofrisbas

Advisors
- Undergrad Advisor: Jeff Ondich jondich@carleton.edu
- Undergrad Capstone Advisor: Dave Musicant dmusicant@carleton.edu

Education

BA: Computer Science   June 2019

Carleton College
Relevant Coursework: Software Design, Database Systems, Syntactic Theory, Linguistic Field Methods, Diachronic Linguistics, Graph Theory, Computer Graphics, Machine Learning, Computational Models of Learning, Natural Language Procesing, Database Systems

Experience

SAIC | Machine Learning Engineer   Oct 2019-Present
- Investigate and create cutting-edge machine learning algorithms
- Implement larger-than-memory data managing software for machine learning applications
- Collaborate with customers on domain-specific machine learning applications

Sandia National Lab | Year Round R&D Intern 2018-Sep 2019
- Center For Cyber Defenders Member
- Developed and worked with data analysis toolkits in foreign language analysis
- Implemented fast forward deployed cyber analytics software and researched graph-related data-processing methods
- Researched machine learning techniques for synthesizing and analyzing network data

Datrium | Extern   Dec 2017
- Learned about scalable cloud data storage and open convergence server infrastructure
- Assisted in front-end web app bug fixing

Realitone Inc. | Programmer   2017-2018
- Designed software to process audio samples
- Created algorithms primarily in Python to seamlessly splice and loop sounds for use in a vocal synthesizer

Awards

Larson Fellowship for Photojournalism in Latin America   2017
- Explored the impact of European culture in modern day South America by interviewing and capturing portraits of individuals in Peru, Ecuador, and Colombia
- Designed photo essay and exhibition in Carleton College Athenaeum