

# 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

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### LANGUAGE

- Proficient in Spanish and Russian

### PROGRAMMING

- Python, C, Java
- Scheme, Bash, L<sup>A</sup>T<sub>E</sub>X, 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
- Website: dichromalogue.com

### ADVISORS

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

## EDUCATION

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### 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 Processing, Database Systems

## EXPERIENCE

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### SANDIA NATIONAL LAB | YEAR ROUND R&D INTERN 2018-PRESENT

- 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

DECEMBER 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

### INDEPENDENT BOOK REPAIR BUSINESS

2017-2019

- Worked with clients on personal library upkeep, including appraisals, repair, protective services, and referrals
- Provided instruction for clients that want to learn more about book preservation

## AWARDS

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### 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