

# Benjamin Greene

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I am a curious and enthusiastic developer. Tinkering, both physically and in code makes me tick, and I deeply enjoy applying machine learning approaches to problems of vastly different domains. I have 7+ years of work experience, 4 of which are technical.

## RELEVANT SKILLS

### LANGUAGE

- Experience 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

- Extensive physical, electronic, firmware, and software prototyping experience.
- Significant experience with Linux distributions
- 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 Processing, 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

### 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

CARLETON COLLEGE LIBRARY PRESERVATION ASSISTANT  
2016-2019

- Conducted minor and major repair on library books to aid in circulation
- Undertook preservation projects on several-hundred-year-old books and manuscripts
- Designed and created templates for improved book enclosures

LOS ANGELES PHILHARMONIC, TOGOS, HOGAN BROTHERS  
2014-2019

- Interfaced with customers in various service industry positions
- Engaged in active customer-related problem-solving and unruly crowd management

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