DANIEL GORELICK

ENGINEER :: DEVELOPER :: TECHNOLOGIST

🌐 danielgorelick.com
✉ dqgorelick@gmail.com
📞 401.864.5405

EXPERIENCE

Office for Creative Research – *New York, NY*
CREATIVE RESEARCH CONTRACTOR :: FEB 2017 - MAR 2017

• Created drawing robots for the St. Louis Maproom public installation
• Developed motor control and coordination software to guide robots
• Integrated map SVGs into the system and developed algorithm to find the optimal path for robots to travel

Nestio – *New York, NY*
SOFTWARE ENGINEER INTERN (HACKNY FELLOW) :: MAY – SEP 2016

• Worked on new features in a React/Redux & Django dev environment
• Expanded backend syndication services from NYC to be nation-wide
• Created a React view for the primary settings interface for the CMS

New York Times – *New York, NY*
MOBILE WEB TECHNOLOGY INTERN :: JUL – SEP 2015

• Developed A/B testing and analytics features for mobile.nytimes.com
• Worked in a Node & CoffeeScript developer environment
• Created a prototype for procedurally generating videos from NYT articles

PROJECTS

Counterpoint Music Installation [info]
NODE, SUPERCOLLIDER, OSC :: OCT – DEC 2016

• Created collaborative instrument during time at SFPC which transforms lines drawn into musical note patterns
• Node server accepts socket connections from multiple devices, allowing visitors to create music together.

Senior Capstone Project – BreakerBot [info]
C++, NODE, ANGULAR, SOCKETS :: SEP 2015 – MAY 2016

• Working with the ConEd R&D team, we developed robot prototype to help electrical technicians in substations avoid hazardous scenarios
• Developed system software architecture and main control program
• Awarded best project in BU ECE department, and finalist in the national Intel Cornel Cup Systems Engineering competition

MBTA Performance and Alerts Portal [info]
PYTHON, NODE, D3, SQLITE3, AND GTFS REALTIME :: JAN – MAY 2016

• Collaborated with the Massachusetts Bay Transportation Authority to better analyze and communicate the effectiveness of performance alerts
• Developed full-stack web application to measure real-time performance against statistical models created from aggregated historical data

EDUCATION

Boston University
SEP 2012 – MAY 2016

Bachelors of Science, Computer Engineering

COMMUNITIES

School for Poetic Computation
Fall 2016 cohort

hackNY
2016 Fellow

Bostonhacks
Organizing team

TECHNICAL SKILLS

Programming Languages
Javascript / Node
C / C++
Python

Web Technologies
React / Redux & Webpack
Angular
Django
D3, Three, Pixi

Other Softwares
UNIX, git workflow
AWS services

Hardware
Microprocessors
Machining & Fabrication
Electronics
CAD design

New Media & Design
Interaction design
UI & UX wireframing
openFrameworks
Processing