Genji Noguchi

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EDUCATION

University of California at Berkeley, *Class of 2019*   *Berkeley, CA*
    Major: Electrical Engineering and Computer Science

Stuyvesant High School, *Class of 2015*   *Manhattan, NY*
    Overall GPA: 96.0

RELEVANT COURSES

CS 61B *Data Structures and Advanced Programming*

CS 70 *Discrete Mathematics and Probability Theory*

CS 61A *The Structure and Interpretation of Computer Programs*

EE 16A&B *Designing Information Devices and Systems I & II*

Software Development (HS) *Python, JS, Web frameworks*

Graphics (HS) *Graphics with C++ and GNU Bison/Flex.*

Systems Programming (HS) *Systems-level programming in C.*

AP Computer Science (HS) *Data Structures and Graphics in Java*

SKILLS

Programming Languages: Python, Java, C, C++, Scheme, SQL, JS, HTML/CSS, Android, Octave

Web Technologies: MarionetteJS/Backbone, EmberJS, AngularJS, Python Flask, NodeJS

Programs: Adobe Illustrator, Adobe Photoshop, Adobe Lightroom, ViM, Microsoft Office Suite

PROJECTS

Personal Projects

- **AFAR**: Software to crowdsource medical emergency responses. CPR certified volunteers put themselves on the system, and if a passerby sees an emergency, they can, with a push of a button, call 911 as well as notify all nearby volunteers of the emergency for immediate assistance. (github.com/AFARsystem)
- **Owl**: An Android app designed to automate the system of choosing a designated driver. The app uses location data as well as step data from the pedometer to automatically regulate a person's mental state. (github.com/orgs/owl-nyc/dashboard)
- **Lineless**: A web app to remove all waiting in restaurants. The app allows customers to directly send their orders to the kitchen and be notified the instant their food is ready, and pay easily with Venmo. Written with the MEAN stack. (github.com/lineless)

Class Projects

- 3D Graphics Engine with Interpreter, engine written in C++, and interpreting language written with Bison and Flex. (github.com/genjinoguchi/graphics-final)
- **PPC**: A scripting language written using Bison and Flex, with a built-in REPL. (github.com/genjinoguchi/ppc)
- **Pool3D**: A full 3D billiards simulation in Java/Processing. (github.com/JulianKal/Per6-Noguchi-Kalogerakis-XPool)

WORK EXPERIENCE

Entrepreneur-In-Residence   *Manhattan, NY*
    Learning Curve USA   Jul '14 – Present
- Gained experience with Evidence Based Entrepreneurship method of startup building
- Founded KnoKno, a venture centered around non-professionals offering informal learning opportunities.

Electrical Engineering Intern   *Brooklyn, NY*
    ARISE, NYU Polytechnic Institute   Jul '13 – Aug '13
- Mentored by Professor Vikram Kapila and NYU Poly graduate student Jared Frank.
- Wrote "Hyperaccuracy: An Implementation with PID Loops on a Robotic Arm"

Teaching Assistant   *Manhattan, NY*
    CSTUY Hacking Sessions   Oct '14 – Jun '15
- Mentored small groups of high school students entering CS and the techspace.
- Worked with small groups of other TA's for a large project.

ACTIVITIES AND VOLUNTEER WORK

Project Team Leader   *Manhattan, NY*
    Stuyvesant Science Olympiad, Technology Department   Oct '11 – Jun '15
- Coordination, research, scheduling, and building team projects
- Participated in NYC and NY State competitions (1st Place at Regional Competition, 8th Place in States Competition at Kellenberg Memorial HS)

Volunteer Teacher   *Matsu Islands, Taiwan*
    Assisting Individuals with Disadvantages (AID)   Jun '15 – Aug '15
- Taught English to 4th graders from remote Taiwan.
- Wrote and graded tests, and created daily lesson plans for classes.

Hackathon Hacker   *Worldwide*
    HS Hackers, HH Hackers   Jan '14 –
- Competed at Cal Hacks '15, NY Battlehacks '15, PennApps '15, Hack the North '14, Boston BattleHacks '14, HackCooper, HackNYU, CodeDay NY, Breaking Barriers Hackathon

INTERESTS

Interests: Photography, consumer electronics reviews, longboarding, weight lifting, orchestral music, jazz music, tennis, bouldering, billiards