Frederick Erlikh 55 Oceana Dr | Brooklyn, NY 11235

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EDUCATION

Macaulay Honors College at Hunter College, CUNY, New York, NY

- *Bachelor of Arts, in Computer Science* GPA: 3.5

  Expected: June 2018

Macaulay Scholar (Four Year Merit Scholarship)

PROJECTS

MUSICIAN APP: Online collaborative drum machine and synth sequencer

- Responsive full stack app using Node + Express
- Back-end models implemented in Postgres w/ Sequelize
- Used socketIO to create a collaborative play mode
- ToneJS and NexusUI for front-end sound integration

Chess: Algebraic move parser in Node.js

Morse Code: Text to audible Morse-code generator in Node.js

CUNY Tech Prep *Software Developer* New York, NY June 2017 – Present

Selected for competitive full stack JavaScript training program that prepares students for careers in software engineering

- Learnt in-demand technologies like React, Bootstrap. Node + Express, as well as industry best practices for design, implementation, and deployment such as MVC, version control, agile & Scrum with Trello and Slack, testing & TDD, and CI/CD

RELEVANT COURSEWORK

Programming with Object Oriented Design (C++); Computer Architecture I, II, III; Advanced Discrete Structures; Algorithms and Data Structures I, II, III; Intermediate Statistics; Embedded Systems

WORK EXPERIENCE

Robotics Mentor, **The Chapin School**, NYC, NY, Fall 2017-

- Hands-on mentor for a school robotics program.

- Supervised children practicing soldering, laser cutting, and programming Arduino robots.

Day Laborer, **A&A Masonry**, Brooklyn, NY, Summer 2014

- Performed intensive construction labor, moving heavy and potentially hazardous objects with and without assistance, working for a local, medium-sized, stone masonry company.

- Mixed cement manually, transported cement to specific locations on site.

Cashier and Sales Associate, **Norm's Music** Brooklyn, NY, Summer 2012

- Sold audio equipment and musical instruments for a small stand-alone retail store.

- Diagnosed necessary repairs and suggested solutions for customers in need instrument repair.

- Communicated with foreign customers bilingually (English and Russian).

Secretary, **Law Offices of Anatoly Shvartsberg,** Brooklyn, NY, Summers 2010, 2011

- Performed secretarial and clerical work, answering phones, communicating with contacts, and inputting client information into databases and spreadsheets; worked for a small law firm, specializing in no-fault accident insurance claims and litigation.

- Managed individual work independently, while responding to executive requests and objectives.

TECHNICAL SKILLS

- Operating Systems: Windows, Linux, Mac OSX

- Programming Languages: C++, Python, BASH, SQL

- Web Development: HTML, JavaScript, CSS, Node.js, Python's Django Framework

- Database: MySQL, Postgres

- Technologies: Apache, LAMP, Adobe Flash, Photoshop, GIMP; Ableton Live; Arduino IDE

LANGUAGES: Russian