Michael Noronha

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EDUCATION

The University of Chicago - Chicago, IL   Expected June 2020

- Bachelors of Science in Computer Science
- Bachelors of Science in Computational and Applied Mathematics
- Unweighted GPA: 3.73

The Recurse Center - New York City, NY   Summer 2017

- Spent three months at a self-directed center
- Built exploratory projects in compilers, computational geometry, and systems programming

Culver Academies - Culver, IN   2013-2016

- Class Salutatorian, Cum Laude, GPA: 3.96/4.0, SAT 2380/2400
- Varsity Crew: 2015 National US Rowing Scholastic Honor Roll

PUBLISHED PROJECTS

Hyde Park Dance Registration System*   Fall 2017 - Present

- Built frontend with JavaScript and React
- Developed backend in Elixir with Phoenix

almond   Fall 2017

- Designed my own programming language
- Built zero-dependency compiler targeting C

voronoi   Summer 2017

- Replicated *A sweepline algorithm for Voronoi diagrams* (1986)
- Generated space-partitioning visualization
- Implemented in C++ with SDL graphics

sorrel   Summer 2017

- Built my own full-featured lisp interpreter
- Implemented macros, built-in hash-maps, and a standard library

pysh   Summer 2017

- Built a Unix-style shell in Python
- Designed a succinct accompanying grammar

quizskill*   Summer 2017

- Published an Amazon Alexa skill
- Helps users study flashcards drawn from Quizlet

EXPERIENCE

UChicago Tech Team - Chicago, IL   Winter 2016 - Present

- Leading a project team of ten
- Building frontend and client database for Hyde Park School of Dance
- Helped build a question-answer app for disabled individuals

Uncommon Hacks Tech Team - Chicago, IL   Spring 2017 - Present

- Worked on landing page
- Designed and built blog theme
- Built end-to-end registration system

Products on White Photography - Chicago, IL   June - September 2016

- Designed and developed online sales infrastructure