

PB Patrick Bartman

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Objective

- The chance to further my knowledge and experience in all facets relating to technology.

Experience

FREELANCE PROGRAMMER | UPWORK | MAY 2018 - PRESENT

- Freelancer primarily for PHP, JavaScript, and Java projects · Also work in blockchain development

SOFTWARE ENGINEERING INTERNSHIP | MOTOROLA SOLUTIONS | MAY 2016 - AUGUST 2016 & MAY 2017 - AUGUST 2017

- WAVE 7000 Push-To-Talk team
- Massive Software Project for Public Safety
- Created the entirety of the app's public facing API service with thorough documentation
- Gained experience in presenting to Executive Leadership
- Created code to automatically configure any 3rd party wired device to work with our service. This prevents tedious one-by-one compliance testing

COFOUNDER AND LEAD DEVELOPER | ANYSPACE | APRIL 2016 - JANUARY 2017

- An event planning platform, streamlining the current lengthy process
- Winner at Campus 1871
- Incorporated

FULL STACK WEB DEVELOPMENT INTERNSHIP | FLOODLIGHT DESIGN | MAY 2014 - APRIL 2016

- Formal Internship upon High School Graduation
- Primarily work consisted of making full responsive websites
- Worked year round
- Other tasks involved content population, live site updates, and mobile app development

Education

ILLINOIS INSTITUTE OF TECHNOLOGY | HIATUS

- Major: Computer Engineering
 - Focus in Software
- NCAA DIII Athlete
 - Cross Country
 - Track & Field
- WIIT
 - Radio DJ
 - Events Director
- Association for Information Technology Professionals (AITP) at IIT
 - Founding Member
 - Executive Board Member
- Association for Computing Machinery
- Mentor for CodeDay Hackathon
- BIITCoin Club (IIT's Bitcoin Club)
- Chicago Bitcoin Airdrop

HARRY D. JACOBS HIGH SCHOOL | MAY 2014

- Java Tutor
- Mathematics Department Award: Computer Science
- National Society of High School Scholars
- AP Scholar with Honor
- Academic Bowl
- WYSE Academic Competition: Regional Level
 - 1st Place Computer Science
 - 2nd Place Engineering Graphic

Skills & Abilities

COMPUTER PROGRAMMING

- Proficient in the Following Languages and Tools:
 - Java
 - PHP
 - JavaScript
 - Solidity
 - Assembly
 - React/Angular
 - Git
 - HTML
 - Android
 - Python
 - C
 - SQL
 - CSS/SCSS
 - Angular
 - Linux
 - C++
 - Laravel
 - Clojure
 - REST
 - Ruby

LEADERSHIP

- Captain of High School Track & Cross Country Teams.
- Events Director on the Executive Board of WIIT
- Boy Scout with Numerous Leadership Positions.
- Executive Board Member of AITP
- Eagle Scout Candidate.

COOPERATION

- Worked with Others on Many Large Programming Projects for Work, School, and the Community.

EAGERNESS TO LEARN

- Always Willing to Try New Things and Learn as Much As Possible From Those Experiences.

Hands-On Experience

HACKATHONS ATTENDED

- HERE Hackathon
- Campus 1871 2016
- Uncommon Hacks 2016
- CREForge 2016
- 3rd Place Winner
- Best Use of Artificial Intelligence Winner
- 3rd Place Winner
- WildHacks 2016
- Uncommon Hacks 2017
- Distributed: Markets Hackathon 2017
- MHacks Spring 2017
- EthDenver
- Honorable Mention

PROJECTS

- The Transportation Collective
 - Research funded by Microsoft and Motorola Solutions to try and create a tool to improve Public Safety within urban Chicago utilizing big data analytics. Together, with our many disciplines, we came up with a solution to the inefficiency of reporting problems to the Chicago Transit Authority (CTA).
- Facebook Post Preprocessor
 - Artificial Intelligence bot utilizing Naive Bayesian Probabilities that predicts the likely reaction of a post or message of any kind. Originally built to interpret the success of a Facebook post to a certain audience, we later realized the implications in stopping ill-fitting emails in their track in a corporate environment.
- Blockchain Powered Remote Voting System
 - A Blockchain system to allow users to register to vote as an absentee, while also allowing you to cast your ballot on a website in an exact comparable way to the current in-person method. A problem brought up by the City of Denver.
- Radix Sort
 - During my freshman year of college, I made a personal build of the sorting algorithm “Radix Sort,” before having any prior knowledge of the algorithm, or its implementation.

References

- **Kevin Christian**, High School Computer Science Teacher and Cross Country & Track Coach
 - kevin.christian@d300.org
 - (847) 561-0592
- **Joe Liu**, Former Employer at Floodlight Design
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