

Philip Franchi-Pereira

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EDUCATION

Bard College, B.A. Computer Science
Bard High School Early College, A.A. Liberal Arts

May 2016, *Annandale-on-Hudson, NY*
May 2013, *New York, NY*

RELATED EXPERIENCE

Web Programmer

January 2017 - Present

Full Stack Developer

Penguin Random House

- Worked with small teams in an agile environment to design, develop, and maintain company webapps.
- Developed using a wide variety of technologies, including PHP, JavaScript and Java.

Tech Analyst Intern

May 2016 - December 2016

Salesforce

MTXB2B

- Work one on one with potential clients in order to design the best platform to fit their needs
- Routinely worked with multiple teams to implement our designs in Salesforce

Teaching Assistant

January 2016 - May 2016

CMSC360: Intelligent Robotics and Perception

Bard College

- Prepare and organize course materials with professor
- Hold weekly office hours to help students with projects and assignments using ROS and Scribbler robots

Drop in Tutor

September 2014 - May 2015

CMSC: Artificial Intelligence, Data Structures, OOP w/ Robots

Bard College

- Assisted students with key concepts of A.I such as heuristics, decision algorithms, and neural networks
- Held office hours and worked with students to improve assignment grades and programming skills
- Effectively communicated complex CS topics and concepts to students with little prior experience programming

RESEARCH

Senior Thesis: Phyro, Exploring an Untethered Model for Robotics in CS-1

January 2014 - December 2015

Prof. Keith O'Hara

Bard College

- Created the Phyro library allowing users to program the Scribbler robot and Fluke2 attachment
- Reduced relative Phyro function call time by 300% when compared to Myro

Student Researcher

May 2015 - August 2015

Bard Summer Research Institute

Bard College

- Developed auto-calibrating camera projector software using iPython, ROS and OpenCV
- Collaborated with a small team to update the software onboard the Intelligent Mobile Projector

SKILLS

Programming: Python (4 years), Bash (4 years), Java (3 years), C/C++ (3 years), ROS (1 year), MySQL (1 year), JavaScript (1 year), PHP (1 year), Haskell (1 year), Mathematica (1 year), Prolog (1 year)

Development Tools: Git, Eclipse, Vim/Vi, Latex, Salesforce

Languages: Fluent English, Fluent Portuguese, Proficient Spanish

ADVANCED COURSEWORK

Object Oriented Programming, Algorithms, Operating Systems, Theory of Computation, The Computational Image, Mobile App Development, Multi Core Architecture, Design of Programming Languages, Calculus I + II, Linear Algebra, Probability