Philip Franchi-Pereira

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EDUCATION

Bard College, B.A. Computer Science   May 2016, *Annandale-on-Hudson, NY*
Bard High School Early College, A.A. Liberal Arts   May 2013, *New York, NY*

RELATED EXPERIENCE

Web Programmer   September 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 - Present
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