

CHRISTOPHER CHARLES ROCHE

25 Marlboro Road ■ Southborough, MA 01772 ■ (917) 449-0709

OBJECTIVE: Looking to work with creative students in computer programming and Robotics/DIY.

EDUCATION:

- **Phillips Exeter Academy**--Diploma, with Honors, 1981.
- **Dartmouth College**--Bachelor of Arts, with Honors in Computer Science, 1985.
- **University of Pittsburgh School of Law**--Juris Doctorate, 1988. (ASCAP writing prize).
- **Rhode Island School of Design**--Bachelor of Fine Arts, 1995 (European Honors Program).
- **City College of New York**--Physics courses 2010-11 (Zamensky Physics Prize).
- **Firehose Project**, Ruby on Rails training (2016).

EMPLOYMENT:

ST. MARK'S SCHOOL, High School in Southborough, MA--**(Aug. 2011 to present):**
Computer science/Robotics Teacher: Develop and teach classes in:

- Java, Swift, HTML/CSS/Javascript/JQuery (for front-end Web development), Python, C programming language (using ROOMBA Robots and Vex Systems) and Arduino/Raspberry Pi (for Electronics and DIY courses), and AP Computer Science A.

Mentor/Teacher FIRST Robotics FRC Team 3566 "Gone Fishin" (2011-Present):
Work with students in FIRST robotics team competitions. National bids 2012 and 2015.

- Shop work -- Aluminum cutting and milling. Have experience with lathe and metal bending equipment. Teach/Use CAD Tools, including Autodesk, OnShape and Solid Works. Work in SM "Fab Lab" with Laser Cutting (using Adobe Illustrator), Carvey (CNC carver) and 3D printers. Teach students safe working practices.

Mentor/Teacher FLL Teams 16165 and 20858 "Can of Worms" (2015-Present):

- Work with high school student leaders and younger students, 8-12, on FIRST LEGO League challenges. Team invited to MA state final in 2017.

STEM Steering Committee (2011-2015):

- Work with administrators and Department Heads to implement project-based, cross-discipline STEM teaching. Also, **STEM Building Committee (2014-2015).**

THECODERSCHOOL (Natick, MA) **(Summer 2017 to present):** Teach programming classes for students ages 8-17 in Python, Java, Scratch, C++. Also teach DIY/Robotics classes using Arduino and Raspberry Pi.

I2 CAMP (Summers 2014-2017) **Roxbury Latin School, MA (& other locations):**
Taught Classes in MatLab Programming, Rocketry and Sound Mechanics at STEM camp.

PEARL COHEN ZEDEK LATZER LLC, New York, NY--**(Aug. 2008 to May 2011)**
Litigation work and prepare US Patent Office filings for computer inventions.

FREELANCE LEGAL WORK, New York, NY--**(July 2005 to Aug. 2008)**
Litigation and document review work for different NYC law firms.

SAINT ANN'S SCHOOL, K-12 School in Brooklyn, NY--**(Aug. 1999 - June 2005)**
Prepare child-ready presentations of complex computer concepts (Java programming, Web design (HTML) and Desktop Publishing) for students 3rd through 12th grades.

FT TECHNOLOGIES, New York, NY--**(Summer 2004)**
Created course unit Web pages for online securities training course.

KENYON & KENYON, New York, NY--**(Oct. 1995-Jul. 1999) and (Oct. 1989-Nov. 1991)**
Associate Attorney at firm specializing in intellectual property law.

VETTER & WHITE, Providence, RI, Attorney--**(Nov. 1991-Sept. 1995)**

NEW JERSEY SUPREME COURT, Morristown, NJ **(1988-89 Term)**
Law Clerk to Justice Robert L. Clifford. Assist in preparing court opinions.