Jennifer Fish

Current Address
5032 Forbes Ave
Pittsburgh, PA 15289

jafish@andrew.cmu.edu
(973) 349-4577

Permanent Address
15 Bell Drive
Morristown, NJ 07960

EDUCATION

Carnegie Mellon University, School of Computer Science   Pittsburgh, PA
Candidate for Bachelor of Science in Computer Science   *May 2022*
Activities: PuzzleHunt Club GBM, Japanese Student Association Board Member   *QPA: 3.61*

The Pingry School   Basking Ridge, NJ
Leadership Roles: Quiz Bowl Captain, STEM Tutoring Center President   *June 2018*

RESEARCH & WORK EXPERIENCE

Backend Software Engineer   **(Remote)**
Castyr   *May 2019 – Present*
- Working with a small startup team to create a community-based podcasting platform
- Collaborating to build a backend server using Express, Node.js, and MongoDB

Research Assistant, The Wyvern Project   Pittsburgh, PA
Institute for Software Research   *January 2019 – August 2019*
- Designed and implemented an I/O library for the Wyvern programming language, highlighting features such as capability-based modules and effect annotations
- Created a TSL (type-specific language) in Wyvern for formatted strings to ensure safety from format string attacks and provide an easily usable syntax for programmers
- Wrote design document to submit to a workshop for publication

Code Team Intern   Basking Ridge, NJ
The Pingry School   *June 2018 – August 2018*
- Redesigned and optimized school's event request system written in Google Apps Script
- Taught Python and fundamental programming concepts to teachers for curricula building
- Created micro-apps for general use by the student body

Junior Instructor   Basking Ridge, NJ
Zatna Computer Science Camp   *June 2016 – August 2016*
- Taught fundamental programming concepts and various coding programs such as Scratch, GameSalad, and LEGO WeDo to students in grades K-5
- Aided students in creating, designing, and debugging individual game projects

TECHNICAL SKILLS

Python, Java, C, SML, Node.js, Express, Flask, MongoDB, HTML/Javascript, Git, LaTeX

AWARDS & HONORS

Google Tech Challenge 2019, Pittsburgh (2nd place)
CMU Mastercard Puzzle Tournament (Top All First-Year Team)
SIG + CMU Brainteaser Battle (1st place)

@jennyafish