

Yuchong Pan

CONTACT INFORMATION	+1 (425) 502-1565 panyuchong@gmail.com http://ypan.me	
RESEARCH INTERESTS	Programming languages and theoretical computer science – especially gradual typing, type systems, algorithms, theory of computation, theory of complexity, graph theory and combinatorial optimization.	
EDUCATION	University of British Columbia B.S., Computer Science and Mathematics, Combined Honours, expected 2021	
EMPLOYMENT	Microsoft Corporation Software Engineer Intern, 2020 Software Engineer Intern, 2019 Software Engineer Intern, 2018 Jisuanke Teaching Researcher, 2018–2019 Lecturer, 2018–2019 Sogou, Inc. Software Engineer Intern, 2017 InitialView Software Engineer Intern, 2016–2017	
RESEARCH EXPERIENCE	University of British Columbia Gradual typing of recursive types, 2018–present <ul style="list-style-type: none">◦ Advisor: Ronald Garcia	
TEACHING EXPERIENCE	University of British Columbia <i>Teaching Assistant</i> CPSC 421/501 Introduction to Theory of Computing (graduate), Fall 2019 CPSC 121 Models of Computation, Fall 2018 <i>Academic Assistant</i> CPSC 411 Introduction to Compiler Construction, Fall 2019 Jisuanke <i>Lecturer</i> Competitive Programming, Level 6 Spring 2019 Competitive Programming, Level 5 Fall 2018 Competitive Programming, Level 3 Summer 2018 <i>Teaching Researcher</i> Competitive Programming, Level 6 Spring 2019	

VOLUNTEER
EXPERIENCE

Shaoxing No.1 High School

Summer Coach (Competitive Programming), 2016
Student Lecturer (Competitive Programming), 2013–2015

TALKS AND
PRESENTATIONS

- Unsplittable Flow Problem on Paths and Trees: Closing the LP Relaxation Integrality Gap (with Adam Jozefiak). UBC CPSC 531F survey. University of British Columbia. Vancouver, BC. 2019. [Slides] [Report]
- Introduction to Communication Complexity. Quantum Club seminar. University of California, Santa Barbara. Santa Barbara, CA. 2019.
- Gradual Typing for Octave Language (with Ada Li, Kathy Wang, and Paul Wang). UBC CPSC 311 project. University of British Columbia. Vancouver, BC. 2018. [Report]

HONORS AND
AWARDS

- Faculty of Science International Student Scholarship (CAD \$5,000), University of British Columbia, 2019.
- Dean of Science Scholarship (CAD \$350), University of British Columbia, 2019.
- Trek Excellence Scholarship (CAD \$4,000), University of British Columbia, 2019.
- Stanley M Grant Scholarship in Mathematics (CAD \$1,500), University of British Columbia, 2019.
- Programming Language Implementation Summer School Fellowship (€400), 2019.
- Science Scholar / Dean's Honour List, University of British Columbia, 2019.
- Faculty of Science International Student Scholarship (CAD \$10,000), University of British Columbia, 2018.
- Dean of Science Scholarship (CAD \$425), University of British Columbia, 2018.
- Trek Excellence Scholarship (CAD \$4,000), University of British Columbia, 2018.
- Marie Kendall Memorial Scholarship in Science (CAD \$925), University of British Columbia, 2018.
- Joel Harold Marcoe Memorial Scholarship (CAD \$150), University of British Columbia, 2018.
- Science Scholar / Dean's Honour List, University of British Columbia, 2018.
- Outstanding International Student Award (CAD \$6,000), University of British Columbia, 2017.
- Silver Medal, China Team Selection Completion for International Olympiad in Informatics, China Computer Federation, 2015.
- Bronze Medal, Asia Pacific Informatics Olympiad, China Computer Federation, 2015.
- First Prize, National Olympiad in Informatics in Provinces (Advanced Division), China Computer Federation, 2014.
- First Prize, National Olympiad in Informatics in Provinces (Advanced Division), China Computer Federation, 2013.

SELECTED
COURSEWORK

- Probability (graduate)
- Combinatorial Optimization (graduate)
- Tools for Modern Algorithm Analysis (graduate)
- Introduction to Theory of Computing (graduate)
- Real Variables
- Definition of Programming Languages
- Introduction to Compiler Construction
- Intermediate Algorithm Design and Analysis

ACADEMIC
TRAINING

- Second Programming Language Implementation Summer School. Bertinoro, Italy. 2019.

RELEVANT SKILLS	Languages: English, Mandarin Programming: L ^A T _E X, Racket, Standard ML, JavaScript, C/C++, Java, C#, Python, Ruby, MATLAB, Go, MySQL
LAST UPDATED	December 12, 2019