

# Ieng-Kit Ho (Nicholas)

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## Education

- **University of British Columbia** Vancouver, BC  
*B.S., Computer Science and Statistics* Sep. 2013 – Dec. 2016
  - GPA: 3.2/4.0
  - Official convocation: May 2017

## Journal publications

- Bernie D. Shizgal, **Nicholas Ho**, Xingwei Yang. The computation of radial integrals with nonclassical quadratures for quantum chemistry and other applications. *Journal of Mathematical Chemistry* (JOMC). 2017.

## Experience

- **UBC Statistical Mechanics Group** Vancouver, BC  
*Research Assistant* May. 2016 – Sep. 2016
  - Research on density functional theory, kinetic theory, convergence theory, approximation theory and spectral methods
  - Designed and implemented a pseudo-spectral algorithm based on non-classical orthogonal polynomials for computing radial integrals in MATLAB

## Skills

**Programming Languages** C++, Java, MATLAB, Python, SQL, R

**Languages** English, Chinese (Cantonese, Mandarin)

## Portfolio

<https://iengkit.github.io/>

## Relevant coursework

Machine Learning, Methods for Statistical Learning, Computer Vision, Intelligent Systems, Advanced Software Engineering, Time Series and Forecasting, Theory of Computing, Stochastic Processes, Artificial Intelligence, Software Engineering Project, Applied Linear Algebra, Probability, Algorithm Design and Analysis, Statistical Inference