

# Godwin K. Woo

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## Full Stack Developer with experience in C#.NET, React, Python, Object Oriented Design

### EDUCATION

MSc in Machine Learning, University of British Columbia, 2019

BSc in Computer Science, University of British Columbia, 2003

BA in Economics & Finance, University of British Columbia, 2001

### TECHNOLOGIES

Frontend:  
C# (Expert)  
React.js (Proficient)  
Javascript/Typescript (Proficient)  
Tailwinds (Proficient)

Backend:  
C# (Expert)  
Node.js (Proficient)  
Python (Proficient)

Databases:  
SQL Server

Blockchain:  
Solidity  
Web3  
EVM  
Ganache  
Hardhat

Tools:  
VSCode  
ReSharper  
Github

### CAREER SUMMARY

Experienced Full Stack Developer with over 10 years in software development, specializing in C#.NET, React, and Python. Proven expertise in the financial industry and Web3 technologies. Strong problem-solving skills, detail-oriented, and committed to continuous learning. Seeking to leverage my skills and experience in a dynamic team environment.

### WORK EXPERIENCE

#### DeepCOP Solutions

##### Full Stack Web3 Developer | Vancouver, BC | Jul 2020 – Present (Part Time)

- Managed Web3 developers to create a blockchain social media platform in React and Node.js
- Managed and developed Web3 Crowdfunding platform in React and Node.js
- Wrote EVM testnet price updater based on real-time 5 min Uniswap mainnet prices
- Deployed private Ganache testnet optimized to <100mb/week on server for 5 min price updates

#### Vancouver Prostate Centre

##### Big Data Machine Learning Graduate RA | Vancouver, Canada | Sep 2017 – Oct 2019

- Analyzed and preprocessed data for model training.
- Optimized DNN models using Bayesian and Grid Search techniques.
- Utilized Slurm for parallel model training on a 20-30 GPU cluster.
- Developed ML training tools for prediction score evaluation and real-time stat summaries.

#### UBS Investment Bank

##### C# and HTML5 Software Developer | New York, NY | Oct 2010 – Aug 2017

NEO Transactional Cost Analysis Post Trade Analytic Web Reporting

- Maintained and developed new features into HTML5 Web app and associated restful services
- Worked closely with product managers to understand requirements.
- Troubleshooting and production support of NEO applications in the Equities space
- Worked with a global team in HK, Singapore, UK and Poland.

Order Management System GUI: C# Winforms UBS Global Equities trading platform

- Designed and implemented variable decimal place display and color on grid data.
- Implemented features to accommodate exchange compliance changes such as Limit Up Limit Down and Mini Options.
- Wrote automated nunit test cases using setups, teardowns, and mock objects.
- Implemented enhancements such as personal options limits, lifetime volume info, default portfolio order settings, and portfolio order confirmation screens.
- Plan and execute roadmaps to resolve larger complex changes.
- Upgraded annually expiring certificates to match webservices.
- Conducted peer code reviews.
- Led, investigated, documented and resolved existing issues to meet quarterly releases.

#### KPMG LLP

##### C#.NET Software Developer | Montvale, NJ | May 2005 – Sep 2010

eWorkPapers: C# Winforms Corporate and Partnership Tax Form preparation tool

- Designed and implemented tax worksheets, signoff, and finalization functionalities.
- Implemented new WCF data contracts and service contracts for new taxforms.
- Designed and developed ETL conversion framework that migrates data from an older implementation of a tax form to the new condensed implementation.
- Managed 4 offshore developers work for the project.
- Designed a Signoff module that facilitates signing of individual worksheets.
- Held code design reviews for complex features.