

Christopher Roper

Summary of Qualifications

Seeking to apply creative problem-solving capabilities and a broad range of professional experience in the field of software development. Relevant skills include:

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| * C/C++, C#, Java, PHP, JavaScript, Python, SQL * Full-stack development * Complex application design/maintenance | * Statistical analysis/diagnostics * Time series regression and forecasting * Credit/investment analysis |

Education

**MS, Software Development** (GPA: 4.0) (exp) 2018

University of Utah, School of Computing

**MBA, Corporate Finance** 2012

University of Notre Dame, Mendoza College of Business

**BA, Economics** 2007

Brigham Young University

Projects/Coursework

Full-stack Client/Server Application

* Multithreaded WebSocket back-end design, JSON message parsing, Android implementation
* Tools used: Eclipse, Android Studio

Various Computer/Network Security Components

* SSL handshake/file transfer, HTTP proxy server, Diffie-Hellman key exchange, HMAC authentication
* Tools used: Eclipse, Xcode, Java security/crypto libraries

Work Experience

**Software Engineer Intern** 2018 - present

Symantec Corporation

* In conjunction with MS Capstone, developed unsupervised anomaly detection model to identify unknown security threats and high-priority events
* Tools used: AWS S3, Sagemaker, Jupyter

**Software Engineer Intern** 2018 - present

Clearlink

* Maintained legacy code and developed replacement platform incorporating MVC framework
* Tools used: Node.js, Babel, NPM, Vue.js, PHP/Laravel, Docker

**VP, Senior Model Risk Officer** 2012 - 2017

Zions Bancorporation

* Validated data sources, replicated model coefficients and testing, and challenged modeling decisions and rationale through alternative strategies
* Assessed the appropriateness of qualitative inputs, quantitative forecasts, modeled approaches, and assumptions used in capital planning
* Tested for variable stationarity, residual autocorrelation and corrective methods, variable selection and transformation processes, and autoregressive structures
* Instituted periodic performance monitoring to assess model accuracy and reliability

**Registered Investment Advisor Representative** 2008 - 2010

Fidelity Brokerage Services

* Provided investment solutions to high net worth clients and experienced investors