Brandon Chong

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Education

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science   *August 2013 – May 2017*

Experience

Dremio   REDMOND, WASHINGTON
Senior Staff Software Engineer   *May 2021 – Present*
  Directed the technical strategy for Query Planning
  Enhanced Query Decorrelation to improve performance of correlated subqueries
  Added support for complex data types
  Added support for User Defined Functions (UDFs)

Microsoft   REDMOND, WASHINGTON
Software Engineer II   *June 2017 – April 2021*
  Enabled seamless distribution of queries across multiple physical partitions
  Optimized client performance by enabling binary read/write of JSON documents for faster operations
  Implemented seamless cross-partition operations on the Compute Gateway
  Automated query integration testing, now incorporated into the weekly scrum and sign-off process
  Redesigned pagination to support scalable cross-partition operations
  Developed end-to-end tracing to accelerate high-latency investigation and resolution

Microsoft   REDMOND, WASHINGTON
Software Developer Intern   *May 2016 – August 2016*
  Worked on DocumentDB: A distributed, cloud, and NoSQL database service
  Developed a query engine testing framework that generates queries dynamically from a data set
  Enabled developers to focus on query optimization and provided confidence to database users

Epic Systems Corporation   MADISON, WISCONSIN
Software Developer Intern   *May 2015 – August 2015*
  Allowed doctors to run hypothesis tests to observe statistical differences between patient treatment groups
  Extended Epic's HTML5 Canvas Graph API, used across many data visualization applications
  Fused statistical analysis with data visualizations for critical clinical insights

NMSI, Inc.   LOS ANGELES, CALIFORNIA
Software Developer Intern   *May 2014 – August 2014*
  Maintained a loan origination system for a wholesale mortgage company
  Optimized workflow tools leading to revenue growth
  Administered MS-SQL databases and Windows server environments

University of Illinois at Urbana-Champaign   URBANA, ILLINOIS
Teaching Assistant: Systems Programming, Discrete Mathematics, Intro to Programming   *August 2014 –*
May 2017
  Supported course instruction, assisted in grading and office hours

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