Christopher W. Blake

Software Excellence + Project Manager + Community Builder

CONTACT

Oklahoma City, OK

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chriswblake

EDUCATION

M.S. Mechatronic Engineering
Leibniz University Hanover
Hanover, Germany
November 2018, EGPA 3.9/4.0

M.S. Intelligent Systems
St. Petersburg Polytechnic Univ.
St. Petersburg, Russia
October 2018, EGPA 4.0/4.0

B.S. Mechanical Engineering
Purdue University
West Lafayette, Indiana
May 2010, GPA: 3.5/4.0

SOFT SKILLS

FLUENT GERMAN
PRESENTING AND VERBAL COMMUNICATION
INTERDISCIPLINARY COLLABORATION
TECHNICAL WRITING
FUNCTIONAL DECOMPOSITION
PROJECT MANAGEMENT
BRAINSTORMING AND IDEATION
DETAIL ORIENTED
FAST LEARNER

REFERENCES

Dr. Eirini Ntoutsi
Assoc. Professor
Hanover University
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Dr. Carsten Hohl
Manager, Downhole Motors
Baker Hughes INTEQ GmbH
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Detlef Hahn
Director, Product Development
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Lyle Wincentsen
Software Engineer
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FOR FUN

ECSTATIC DANCE
LATINX RESOURCE GROUP
YOGA + SWIMMING

EXPERIENCE

BAKER HUGHES INC. .... MAY 2010 - PRESENT
SR. SOFTWARE ENGINEER, ENTERPRISE TECHNOLOGY (OKLAHOMA CITY, OK)

- Maintain and coach best practices to encourage teams to meet accessibility, quality, reliability, and transferability criteria.
- Own the GitHub organization for 2037 repositories and 473 people.
- Develop the of inner-source portal connecting 3868 repositories.
- Support development of analytics for edge-based computing products.
- Manage projects with 2 to 12 people using Agile technique and primary languages of Python, JavaScript, C# and common web frameworks.

(2 YEAR BREAK TO PURSUE MASTER'S DEGREES)

LEAD ENGINEER IV, DOWNHOLE MOTORS DEVELOPMENT (CELLE, GERMANY)

- Automated analysis of drilling systems using C#, SQL, and internal FEA software, saving hundreds of hours monthly for 500+ field engineers,
- Lead Next-Gen platform project, organizing 12 employees.
- Researched, modeled, designed and prototyped experimental sub-assemblies, using Solidworks, NX6, ANSYS and C#.
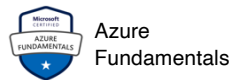
RDD ENGINEER III, DIAMOND PRODUCT DEVELOPMENT (THE WOODLANDS, TEXAS)

- Automated and optimized bit design analysis, enabling hundreds of simulations per hour, using C# and NX6.
- Implemented diamond cutters portal, enabling near-realtime availability and costing for using PHP and Teamcenter.
- Initiated design standards database across 3 departments and 40-60 employees, enabling synchronized development, using SharePoint.
- Automated engineering-validation system for sales department, saving tens of thousands on costs per month, using PHP.

EVANGELISM / VOLUNTEERING

- LatinX ERG - Lead 2 teams, host tech workshops, make web games!
- Admin Prof Houston – Teach tech seminars workshops.
- Oklahoma State University – Organize annual Hackathon (HackOKState)
- Cyberama – Create web-based game to match kid's cybersecurity book.

CERTIFICATES

Azure Fundamentals   C3.AI   SCRUM Master   MongoDB (NoSQL)

TECHNICAL SKILLS

EXPERT									
INTERMEDIATE									
BEGINNER	SCIENTIFIC COMPUTING	WEB DEVELOPMENT	MACHINE LEARNING	DATA ANALYTICS	DESIGN OF EXPERIMENTS	C# / .NET	PYTHON	SQL / NOSQL	JAVASCRIPT	VISUAL BASIC

Projects, research, awards, skills lists, courses, certificates, and recommendations available at http://blake.fyi