

Andrew Denner

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Objective

To obtain a position that will further my career as a software professional and continue to provide interesting and challenging work.

Work Experience

- Corteva Agriscience/Dupont Pioneer
Senior Software Developer 2014-Present
Software Developer 2012-2014
As a member of the Data Science Informatics Group I have worked on various Desktop applications, web frontends, back end services and large batch jobs with a variety of technologies ranging from C++, Java, Hadoop/Map Reduce, Python, Docker and the AWS Technology Stack. Projects have centered around the processing and visualization of Genotypic Data mostly in HPC, Hadoop, and other Big Data technologies.
- Denner Consulting, LLC 2010-Present
Owner
Independent software design, iOS app development, web and modification of pre-existing software for various projects
- Technical Analyst/Developer 2009-2014
Schillinger Genetics
Duties included system administration and support, software development, database administration and web design
- Student Employee—Programmer for Soybase.org 2006-2009
USDA-ARS CICGR unit at Iowa State University
Performed programming, development and modification of pre-existing software for various projects including a content management system, and Haplotype viewer utilizing HTML, CSS, Java Script, PHP, JAVA, Perl and MySQL
- Engineering/IT Coop January 2008-August 2008
Prairie Island Nuclear Generating Plant (NMC)
Improved and extended the System Monitoring and Trending Database to track new data types to prevent unexpected equipment failure. Developed database to track 480v Circuit Breaker maintenance. Assisted in writing Software Quality Assurance Documentation
- Research Assistant/IT Support 2005-2006
Iowa State University Physics Department—Gamma Ray Astrophysics Group
Maintained and administered various computer systems including Digital Unix, Linux, a Beowulf cluster and a Windows Workstation. Redesigned the group's website utilizing CSS and provided user computer and programming support.

Work Related Skills

Programming Languages:

- C# (Desktop Apps, WCF services, Batch Processing)
- C++ (Libraries and batch processes)
- Python (AWS Lambda Services, Zappa, Flask and HPC work)
- Java (Hadoop, Map Reduce, HBase, and HPC work)
- Vue JS frontend
- SQL: MySQL, Postgres, and Sybase

Other Skills/Experience:

- CI/CD: Gitlab, Team Cities, Octopus Deploy
- Docker
- AWS technologies: Lambda, Batch, S3, SNS, SQS
- Technical Documentation and User Training and Support
- Kanban based methodologies
- Windows, Linux, and Apple Mac OS Administration

Education

- Associates of Science: Management of Information Science (MIS) 2009
Des Moines Area Community College, Ankeny Iowa
- Iowa State University 2003-2009
Major: Computer Science
- High School Diploma 2003
Algona High School

Other Experience

Central Iowa Linux Users Group (CIALUG)—Group President

Science Fair—Member of the State of Iowa Science and technology Fair hall of Fame, International Science Fair SRC reader, State level volunteer and Software Developer/Support for Registration System

Bethlehem Lutheran Church—Church Council Member, Council Secretary, and IT liaison

Iowa State University Alumni Marching Band—Sousaphone, Former Board Member and Co-Newsletter Editor

Boy Scouts—Eagle Scout, Lifetime member of National Eagle Scouts Association, and member of Order of the Arrow Honor Society