

Jared Skinner

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Jared Skinner is a C++ and Python software engineer with eight years of experience.

TECHNICAL SKILLS

Languages: C++, Python, R, SQL, JavaScript, Bash

Technologies: Pandas, NumPy, Flask, Django, Boost, Bootstrap

Tools: Vim, Visual Studio, VS Code, Linux, Git, SVN, Make

EXPERIENCE

Senior Actuarial Analyst

Jun. 2018 – Present

Allianz Life

Golden Valley, MN

- Decreased model runtime by **40%** by refactoring the model codebase (**C++**)
- Reduced model delivery time by **50%** through automated processes (**Python, Jenkins, SVN, Git**)
- Used test-driven development to create a library for managing date logic in actuarial models (**C++**)
- Created a tool, enabling the department to run models on workstations (**Python, JavaScript, Django, SQL**)
- Built a chat application, allowing the modeling team to communicate early in the COVID shutdown (**Python, SQL**)

Power Systems Developer

Apr. 2015 – Jun. 2018

Open Systems International

Medina, MN

- Designed and led the development of a product that monitors voltage levels across an electrical grid (**C**)
- Designed and developed a feature to automate control of voltage levels across an electrical grid (**C**)
- Built pipeline scripts to automate building, testing and deploying (**Python, C, Jenkins, SVN**)

Software Engineer

Sep. 2013 – Apr. 2015

VidGrid

St. Paul, MN

- Developed algorithms for image recognition (**C++**, **OpenCV**)
- Built a web application from the ground up (**PHP, HTML/CSS, JavaScript, Stripe**)
- Drafted version control procedures (**Git**)

Software Engineer

Jul. 2013 – Nov. 2014

Advantage Management Corporation

Eagan, MN

- Built client-server applications (**Powerbuilder and SQL**)
- Debugged code and solved long-standing issues
- Wrote SQL statements for recurring reports

PROJECTS

Machine Learning Algorithms | *Python*

- Implemented common machine learning algorithms while doing a study of neural networks

Causality | *Python*

- Built a framework for helping students to understand the actuarial modeling process

EDUCATION AND CREDENTIALS

American Academy of Actuaries

Nov. 2020

Member of the American Academy of Actuaries

Society of Actuaries

Oct. 2020

Associate in the Society of Actuaries

University of Wyoming

Sep. 2011 – May 2013

Master of Science in Mathematics

Laramie, WY

University of St. Thomas

Sep. 2008 – May 2011

Bachelor of Arts in Mathematics

St. Paul, MN