

Jesse Rubin

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EDUCATION

CARLETON COLLEGE

BS IN GEOLOGY

Grad. June 2017 | Northfield, MN

Cum. GPA: 3.3 / 4.0

PARK SCHOOL OF BALTIMORE

Grad. June 2013 | Baltimore, MD

Cum. GPA: 3.8 / 4.0

SKILLS

LANGUAGES

Know well:

Python • Ironpython • C(++/#) • Java
Javascript • HTML/CSS • \LaTeX • .NET
MATLAB • Mathematica • English

Proficient:

MySQL • SQL • R • Ruby
Django • Rust • Mandarin Chinese

GEOLOGY & RESEARCH

Field Geology • GIS • Petra • Well log
analysis • NMR • GCMS • XPL
microscopy • Production analysis

COURSEWORK

GEOLOGY

Structural Geology

Geophysics

Sediments

Tectonics

Mineralogy

MATH AND CS

Data structures

Ordinary Differential Equations

Discrete Math

Linear Algebra

STUDIES ABROAD

GEOLOGY | WITH CARLETON

COLLEGE

January 2016 - March 2016

CHINESE | TONGJI UNIVERSITY IN SHANGHAI, CHINA

September 2014 - December 2014

IN A NUTSHELL

I am a graduate of Carleton College (2017) in Northfield, MN, where I primarily studied geology, computer science and math. I am a social butterfly and work well with anyone. Recently, I have been working as a software engineer at Direct Dimensions, Inc., a 3D-scanning company, which has given me a strong grasp of linear algebra and parallel processes. Before Direct Dimensions, I worked at Element Petroleum III, LLC, as a geology intern, mapping isopach within the Wolfcamp shale formations, and analyzing well production data. I am a very fast learner, good at math and programming, and take direction where I see opportunity. I am very curious, highly motivated, work well with others, and thrive in a fast-paced and cooperative environments.

WORK & RESEARCH

DIRECT DIMENSIONS, INC. | SOFTWARE ENGINEER

July 2016 - Present | Owings Mills, MD

- ↳ Refactored inefficient, regularly used company-code (C++, Python, C#, Ironpython, .NET, and Matlab) into various libraries and executables with the goal of making the code more accessible to company employees.
- ↳ Involved in a project for the US-Navy for making specific 3D-scanning software processes more accessible and intuitive.

ELEMENT PETROLEUM III, LLC. | GEOLOGY INTERN

June 2016 - August 2016 | Midland, TX

- ↳ Mapped isopachs for the Wolfcamp A shale package in the Midland basin using well logs and GIS.
- ↳ Analyzed production data for horizontal wells that targeted the A unit of the Wolfcamp Shale formation in the Midland basin with respect to isopach data.
- ↳ My work at Element became the basis for my senior thesis at Carleton College, consisting of a paper, presentation and poster.

CARLETON POST OFFICE | MAIL CLERK

September 2013 - June 2017 | Northfield, MN

- ↳ I have worked at the Carleton College Post Office and Mail Services every term I have spent on Carleton's campus since freshman year.
- ↳ Am responsible for helping the post office handle incoming and outgoing mail for students, faculty and staff.

AWESOME MATH CAMP | COUNSELOR & RA

Jan 2013 - May 2013 | Berkeley, CA & Ithaca, NY

- ↳ Worked as a counselor/RA at Awesome Math camp for sessions at UC-Berkeley and Cornell University.
- ↳ Was responsible for taking care of campers, helping my higher-ups look after and organize campers.

TOWSON UNIVERSITY HERPES VIRUS LAB | LAB INTERN

Summer 2011 and summer 2012 | Towson, MD

- ↳ I worked under Dr. Barry Margulies, who runs the TUHVL, as a summer researcher.
- ↳ The lab was examining slow-release herpes medications using rats and voles.