

Daniel E. Berlin

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EXPERIENCE

Hyland, Cleveland, OH — *Software Engineering Intern*

MAY 2019 - AUGUST 2019

- Writing back-end service methods (C#/.NET) and automated tests for Hyland's flagship OnBase content services platform
- Researching and implementing early stages of OnBase Web Client (Angular.js) to accelerate product modernization initiatives

Google, Mountain View, CA — *Student Developer Fellow*

JANUARY 2019 - APRIL 2019

- One of 30 students selected nationally to develop creative statistical insights alongside Google Cloud engineers for 2019 NCAA March Madness
- Utilized Statistical Visualization and Machine Learning techniques (SQL/Python) to analyze 10+ million plays from the NCAA dataset
- Insights aired on Google Cloud commercials and CBS broadcasts

BXR, Durham, NC — *Project Lead, Full-Stack Web Developer*

JANUARY 2019 - MAY 2019

- Led team of students developing a prototype web app for BXR, an early-stage product testing platform. React.js with NoSQL back end
- Organized and ran weekly stand-ups, sprint reports, and other agile best practices

Swagelok, Cleveland, OH — *Corporate Engineering Intern*

MAY 2018 - AUGUST 2018

- Designed and implemented polymer characterization tests for Swagelok's ball valve series
- Post-processed lab data with signal processing methods (Python), optimizing Finite Element Analysis models in Abaqus

EDUCATION

Duke University, Computer Science | Economics | GPA: 3.9

AUGUST 2017 - MAY 2021

Duke Club Golf President, Duke Community Consulting Associate, Innovation & Entrepreneurship Certificate, Big Brothers Big Sisters of America

Chagrin Falls HS, GPA: 4.6 | ACT: 36/36 | PSAT: 1500/1520

AUGUST 2013 - MAY 2017

Student Council VP, National Merit Finalist, US Presidential Scholar Candidate, Cum Laude Society, 3-year Golf Captain, 2-year Tennis Captain, Orchestra

TECHNICAL SKILLS

Languages: Java (P), C# (P), HTML/CSS (P), Python (F), JavaScript (F), LISP (F), SQL (F), Machine Language (SE), C (SE)

Frameworks/Technologies: .NET, React.js, Angular.js, Google Cloud Platform, AWS, Git, Agile, JIRA, Confluence, NUnit, Moq, CAD

RELEVANT COURSEWORK

- Algorithms & Data Structures
- Computer Architecture
- Rapid Software Prototyping
- Linear Algebra
- Multivariable Calculus
- Physics (Mechanics)
- Practical Financial Markets
- Advanced Probability
- Intro to Machine Learning

AWARDS & ACCOMPLISHMENTS

USGA President's Leadership

Award, Male Recipient, 2016

Golden Classical Music Awards,

3rd Prize Piano Solo, 2017

OHSAA Golf Individual State

Runner-up, 2015

Morgan Stanley/Duke University

Trading Game, 1st place, 2018

Duke University Dean's List, All

semesters, 2017-Present

INTERESTS

Classical Piano Improvisation & Composition, Amateur Golf, Fitness, Urban Architecture, Quantum Physics, Investing, Baseball and Basketball Analytics