

# Gavin Sweeney

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## EXPERIENCE

### Arizona Diamondbacks — *Baseball Systems Developer*

OCTOBER 2017 - PRESENT

Working on the Major League Baseball organization's internal database, ETL processes, and applications used by front office personnel and player development staff

Daily responsibilities include improving and building new features within the D-Backs proprietary baseball system, along with building and managing ETL processes and backend systems

Project details can be provided upon request

## EDUCATION

### University of Virginia — *Computer Science*

AUGUST 2015 - MAY 2018

Graduated in three years from the University of Virginia with a bachelor's degree in Computer Science

Related Coursework includes Computer Programming, Data Structures, Web Development, and Data Analysis

## RELEVANT PROJECTS

### MondayRankings.com - College Basketball Rankings App

College basketball poll built for for my friends and my college basketball rankings

- React frontend with Tailwind
- REST API build with Node.js and Serverless
- MongoDB database

### NHL Database and REST API (SQL Server)

Daily ETL processes game data via the public NHL API using C# and SQL Server stored procedures

REST API build with Node.js, Express, and Serverless

### NFL Database and REST API (MongoDB)

Weekly ETL processes NFL Game and Play by Play data (Node and Mongo)

Aggregation pipelines to query and extract insights from over 59k plays

REST API build with Node.js and Serverless

## TECHNICAL SKILLS

Database: MS SQL Server, MongoDB

Front End: React, JavaScript, D3, HTML, CSS

.NET Web Development, MVC with Razor and Javascript

## LANGUAGES

Proficient: C#, Python, Javascript, Node

Familiar: C++, Java, R

## AREAS OF INTEREST

**Utilizing AWS** - Personal projects have included building out different data store solutions with RDS, interacting with them via endpoints built with Serverless and Lambda

**Utilizing Public APIs** - Personal projects utilize public APIs such as the NHL API and PGA Tour API

**Building Data Pipelines** - Personal interest in statistics & data analysis have developed a skill in building pipelines to support up-to-date data sources