

Benjamin Cole
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Programmer experienced in both writing code, and working with a team. Automated weekly tasks for the Vertex Object Oriented Design team, saving hours of work per month, as well as analyzed SQL tables to build marketing tools directly under members of the Vertex executive team.

Experience

Vertex Inc.

May 2016 - August 2016

Berwyn PA

Vertex Intern - Object Oriented Java Development Team

Worked with the commercial software development team, using Java, Python and SQL to complete the following projects:

- Executed the full product build process in order to participate in reviewing Java code and learning the underlying database structures that support the application.
- Wrote SQL queries used to analyze a production system with the purpose of creating a automatic database sizing recommendations spreadsheet based on different data profiles, used by the Database Development and Content Management teams.
- Wrote Python scripts to automate recurring processing, such as adding users to new builds of the Vertex Enterprise product for use by the Business Intelligence Development team, saving several hours of recurring set up time every month.

Target, Plymouth Meeting PA

May 2015 - August 2015

Cashier and Team Member

- Interacted with the general public, maintaining professional composure under pressure.
- Received consistently positive customer and supervisory reviews, parted on good terms.

Bitcamp Hackathon, College Park, MD

April 2016

- Built a working multimedia app utilizing APIs and a GUI as leader of a small team. Program took music files found on a windows computer or phone, and used Bing API to determine "the internet's opinion" of an individual's musical tastes.

Drexel University Computing Academy, Philadelphia PA

June 2013 - July 2013

Worked with a team to write and create a playable, original video game, featuring fully animated 3d models, and a self building unique maze system, created anew upon game restart.

FIRST Robotics Team 341 Miss Daisy, Ambler PA

August 2010 - June 2014

Full time member of a Hall of Fame FIRST Robotics team

Education:

- **American University** - Computer Science, Anticipated BS May 2018
- **Wissahickon High School** - Diploma May 2014

Tools:

Java, Python, C#, Perl, C++, Matlab, SQL, Html5, Javascript, CSS, PHP, Linux (CentOS, Mint)