Tyler Andrews

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EXPERIENCE

Realtime Software Engineer   **June 2018 - Present**
The Boeing Company   *Long Beach, CA*
- Full life-cycle development including requirements analysis, software architecture, designs, coding, unit test, integration and formal qualification.
- Develop, maintain and integrate software components into a fully functional software system.
- Facilitate coding standard compliance via installation and maintenance of code-analysis tools.
- Concisely explain and demonstrate software functionality and design.
- Contribute to a close-knit, fast-paced team environment.

Web Development Intern   **August 2017 – June 2018**
Chapman University   *Orange, CA*
- Created and maintained .NET web applications for Chapman University's website.
- Contributed to the development of events.chapman.edu, a calendar of upcoming Chapman events.

Earthquake Forecasting Intern   **January 2017 – June 2018**
Chapman University   *Orange, CA*
- Successfully identified pre-earthquake processes by monitoring changes in the conductivity of the earth's atmosphere.
- Installed physical sensors to provide research data.
- Created live, interactive visualizations of data feeds from various sensors on Chapman's campus.
- Modeled and plotted the correlation between sensor anomalies and pre-earthquake processes.

System Administration Intern   **May 2016 – September 2016**
Penn Medicine, Lancaster General Hospital   *Lancaster, PA*
- Assisted System Administrators by maintaining security of crucial business intelligence reports, responding to support tickets, and retrieving data using SQL queries.

TECHNICAL SKILLS

- Object Oriented Programming
- Scripting
- Front end web development
- Data visualization

- C++, Python, Java, C#
- Python, Bash, VBA,
- HTML, CSS, JavaScript
- MySQL, R, Visual Basic, Tableau

EDUCATION

B.S. in Computer Science   **Chapman University**
Minor: Mathematics   *Orange, CA*

- **Awards and Scholarships:** Chancellor's List, National Merit Scholar, Chancellor's Scholarship