

# JOSHUA M. BLACK

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## EDUCATION

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Brigham Young University, Provo UT

Senior

Graduating April 2018

- B.S., Bioinformatics: Computer Science, Biology
- Minor, Computer Science
- 3.94 GPA
- Relevant Coursework:
  - Advanced Programming Concepts
  - Discrete and Data Structures
  - Web Development
  - Evolutionary Biology
  - Genetics
  - Molecular Biology

## WORK HISTORY

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### Bioinformatics Research Assistant

Brigham Young University Ridge Bioinformatics Laboratory

September 2016 – Present

- Design new organism identification software to reduce \$1000 for each identification
- Develop software packages through Java, Python, and Bash programming
- Utilize differences in homologous genes and PCR tests to distinguish between similar species

### Lead Developer: Systematic and Engaging Early Literacy (SEEL)

Brigham Young University McKay School of Education

January 2016 – September 2016

- Controlled server-side java scripting and storage implementation for over 1000 unique documents
- Enhanced SQL Database modeling and administration
- Headed SEEL Lesson Library Page design and creation using the Drupal framework with PHP

### Analyst (Internship)

AnglePoint Inc.

Summer 2015

- Forensically traced sales invoices to create raw sales summaries
- Mapped database information for use in information system consultations

### Web Developer

Brigham Young University Comprehensive Clinic

Summer 2015

- Worked to implement a patient management system using Microsoft Dynamic CRM
- Orchestrated website design with chief clinic therapists

### Computer Technician

Brigham Young University Office of Information Technology

2012 & 2015

- Solved over 2000 university computer system incidents
- Trained in advanced university communication systems troubleshooting

### Branch President

The Church of Jesus Christ of Latter-day Saints, Sokcho, South Korea

October 2013 – July 2014

- Ministered to congregation of 50 through personal and family counseling
- Administrated church budget and expenditures totaling over \$4000

## SKILLS/ABILITIES

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- Korean Language
- Java, C++, JavaScript, Python Programming
- Strong SQL Database Experience
- HTML, CSS, PHP, Rest Services, Drupal, Git, VBA, ASP.NET, Apache Server
- Certified Scuba Diving, HAM Radio Operation,