Andrew Peter Boka

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Objective

To participate in research or work experience that further develops my problem-solving abilities, team work skills and overall competence in the field of computer science and engineering.

Education

University of California, Berkeley – Berkeley, CA **Class of 2020**
College of Engineering – Department of Electrical Engineering & Computer Science
Pursuing a Bachelor of Science Degree in Computer Science & Engineering

Faith Lutheran High School – Las Vegas, NV **June 2016**
High School Honors Diploma with STEM Computer Science Endorsement

Relevant College Coursework

Structure & Interpretation of Computer Programs	Data Structures & Algorithms	Machine Structures
Designing Information Devices & Systems	Differential & Integral Calculus	Foundations of Data Science
Physics for Scientists & Engineers	Multivariable Calculus	Linear Algebra for Data Science
Discrete Mathematics & Probability Theory	Optimization Models	Principles & Techniques of Data Science
Operating Systems and System Programming		

Technical Skills
Programming knowledge in Python, Java, C#, SQL, Scheme, Objective C, HTML, CSS, JavaScript, C, C++
Research and teamwork skills acquired in prior school projects and internships
Proficiency in Windows/Mac OS, Microsoft Excel, PowerPoint, Word

Work Experience

UC Berkeley West Big Data Innovation Hub REU Internship
Conducted a data science research project under the direction of Dr. Meredith Lee, Executive Director and Dr. David Culler, Principal Investigator and Professor of Electrical Engineering and Computer Science. **May-August 2019**

UNLV Department of Computer Engineering REU Internship **May-August 2018**
Designed and implemented a low cost, high quality facial recognition system for real-time monitoring of access and exit to secure facilities under the direction of Dr. Brendan Morris, Associate Professor of Electrical and Computer Engineering and Director of the UNLV Real-Time Intelligent Systems Laboratory.

UNLV Department of Computer Engineering High School Internship **June-October 2015**
Designed a computer game for self-directed physical therapy to children with cerebral palsy as part of an interdisciplinary research program led by Dr. Brendan Morris in UNLV's Real-Time Intelligent Systems Laboratory.

Extracurricular and Leadership Activities

UC Berkeley's Order of the Golden Bear -- Student Member	2019-Present
UC Berkeley Partnership Across Five Decades – Class of 2020 Coordinator	2018-Present
UC Berkeley Club Golf Team – 2016 & 2019 NCCGA Pacific Region Champions	2016-Present
High School Varsity Golf – 2015 Nevada State Championship Team; All-League 1st Team; All-State Academic Team	2012-2016
Eagle Scout – Designed and implemented a golf/life skills program for underprivileged children	2015
Young Men's Service League – Philanthropy Chairman	2012-2016

Honors

Commended Student, National Merit Scholarship Competition AP Scholar with Distinction, College Board 2016
Presidential Scholar Candidate, White House Commission & U.S. Department of Education 2016

Papers and Presentations

Boka, A. & Morris, B. "Person Recognition for Access Logging." Paper presented at the 9th Annual IEEE Computing and Communication Workshop and Conference, Las Vegas, NV, January 7-9, 2019. https://ieeexplore.ieee.org/document/8666483

Boka, A. & Morris, B. "Serious Games: Development of Physical Therapy and Rehabilitation Game for Children with Cerebral Palsy." First Annual OUR-UNLV Fall Undergraduate Research Showcase, Las Vegas, NV, October 16, 2015.