

CHRISTOPHER SMITH

PERSONAL DATA

ADDRESS: 6850 SUZIE LN, BLACK HAWK, SOUTH DAKOTA
PHONE: (605) 786-6599
EMAIL: GITCSMITHSD@GMAIL.COM

EDUCATION

BACHELORS OF SCIENCE IN COMPUTER SCIENCE DEC 2016
MINOR IN APPLIED AND COMPUTATIONAL MATHEMATICS DEC 2016
SOUTH DAKOTA SCHOOL OF MINES, RAPID CITY, SD

ELECTIVES: PROBABILISTIC ROBOTICS, CRYPTOGRAPHY, CYBERSECURITY, COMPUTER GRAPHICS,
NATURAL COMPUTING, PARALLEL COMPUTING

PROGRAMMING EXPERIENCE

PROBABILISTIC ROBOTICS (PROJECT: SLAM ALGORITHM) - PROGRAMMING A ROBOT TO DETERMINE ITS LOCATION - IMPLEMENTING A PARTICLE FILTER BASED ON A BAYES FILTER	JAN 2016-PRESENT
SENIOR DESIGN (PROJECT: UNMANNED AERIAL VEHICLE (UAV) LANDING PAD) - PROGRAMMING A UAV TO AUTONOMOUSLY NAVIGATE AND LAND ON A PLATFORM USING COMPUTER VISION	AUG 2015-PRESENT
SDSMT ROBOTICS TEAM - WORKING AS A TEAM TO DESIGN AND BUILD ROBOTS FOR COMPETITIONS - PREVIOUS VICE PRESIDENT AND PRESIDENT IN 2014	SEPT 2011-PRESENT
NATURAL COMPUTING (FINAL PROJECT: ARTIFICIAL INTELLIGENCE) - CREATED AN AI TO PLAY THE BOARD GAME PUERTO RICO - A GENETIC ALGORITHM WAS USED TO IMPROVE THE AI	JAN-MAY 2015

COMPUTER SKILLS

PROGRAMMING LANGUAGES: C++, PYTHON, ARM ASSEMBLY, JAVA, C#, COMMON LISP, SQL
GENERAL KNOWLEDGE: LINUX, ROS, MAKEFILES, LATEX, MICROSOFT VS, SLICER, REPETIER-HOST

WORK EXPERIENCE

BACKROOM ASSOCIATE AT TARGET, RAPID CITY SD - PULLING MERCHANDISE DOWN FOR STOCKING ON THE SALES FLOOR - PLACING EXTRA MERCHANDISE IN THE APPROPRIATE AREAS IN THE STOCKROOM - ORGANIZING AND PUTTING ITEMS IN THE COOLERS AND FREEZERS THAT COME OFF OF A FOOD TRUCK	JULY 2012-PRESENT
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VOLUNTEER EXPERIENCE

ASSOCIATION OF COMPUTING MACHINERY AND LINUX USERS GROUP - HELPED OTHER STUDENTS WITH DEBUGGING CODE WRITTEN IN ARM ASSEMBLY, C, C++, LISP, AND PYTHON	JAN 2016-PRESENT
SDSMT ROBOTICS - HELPED BOY SCOUTS EARN A MERIT BADGE BY TEACHING THEM ABOUT THE DESIGNS AND PROGRAMMING - ASSISTED IN TEACHING STUDENTS PROGRAMMING AND DESIGN SO THEY COULD COMPLETE THEIR CHALLENGES IN FIRST LEGO LEAGUE	2012-PRESENT